

*Index to the following Tables
is seen at end of Vol I*

.61663(54)

DIABETES MELLITUS IN THE EAST.
ITS TREATMENT.

APPENDIX B: DIABETIC CASES.

By.

Lieut. Colonel Kanta Prasad,
Ind. Medical Service.

Name and Sex A.A. male ~~Private or~~ Hospital Patient
 Caste Mahomedan.
 Occupation Compounder Age 42
 Weight at the time of Consultation 13 stones 7 lbs.
 Duration of the Disease One year
 Family History Father died of Diabetes and mother gouty. Still alive

Past History of the Patient Has been very stout for the last two years has never been of active habits. Very fond of sweet things and sherberts. Had no serious illness until about a year ago when he had an acute attack of thirst and passed large quantities of urine.

How Disease was brought to his notice

On examination his urine was found to contain sugar.

Condition of Patient at the time of Consultation

When I saw him disease was not so bad and appetite was good but he was passing large quantities of urine, and insomnia was his principal complaint. He looked well fed and had no pain anywhere. Heart & lungs were normal but heart sounds weak and distant.

Examination of Urine:

Quantity in 24 hours	110 ozs.
Reaction	Acid.
Physical Properties	Pale straw coloured and without smell of acetone.
Specific Gravity	1035.
Albumen	none
in 24 hrs.	
Sugar	Total 90 grammes 3 p.c. in the morning specimen on usual food.
Gerhardt's Test	negative .
Microscopic	

Examination of Blood

Progress	With Opium and modified habits he was getting on very well. The quantity of urine had gone down to 50 ozs. and sp.gr. to 1029 and p.c. of glucose to 1.5 p.c. One day he caught chill and developed acute Bright's, which, later, became chronic. With the progress of this condition sugar entirely disappeared from the urine but the quantity of urine increased to over 150 ozs with traces of albumen and sp.gr. 1010. In this condition he was when I saw him last, ten years ago, and afterwards I lost sight of him.
Result	
Complications	

Post Mortem

240

Name and Sex A.B. Female ~~Private~~ Hospital Patient
 Caste Katchin,
 Occupation Married, Age 29.
 Weight at the time of Consultation 87 lbs.

Duration of the Disease Has had swelling in the neck for the last seven years but present trouble came on 6 months ago
 Family History Mother has goitre, one brother is epileptic and the youngest is a cretan.

Past History of the Patient

In childhood she used to have fits. Any other thing she does not remember.

How Disease was brought to his notice

Condition of Patient at the time of Consultation

A swelling in the neck which of late has perceptibly increased. There is pronounced Exophthalmos & Von Grafe's sign present. She complains of pain in the back and frequent headaches. There is a continuous coarse tremor of both hands and muscles of the hands are a-bit wasted. Knee jerks increased but there is no ankle clonus. There is marked in-coordination in the arms. She is very weak and unable to walk without support, and staggers violently on shutting her eyes. Sensation and touch is normal. Heart sounds faint and indistinct. Lungs normal. On examination of the urine, the quantity was not much increased but there was distinct reaction with Fehling. Opium and Bromide did her no good. Ten days after her admission she died of heart failure. Post mortem exam. was not allowed.

Examination of Urine

Specific Gravity

Albumen

Sugar

Total

p.c.

Gerhardt's Test

Microscopic

Examination of Blood

Progress

Result

Complications

Post Mortem

Name and Sex **A.D. male** ~~Private or~~ Hospital Patient
 Caste **Mahomedan.**
 Occupation **Contractor.** Age **40**
 Weight at the time of Consultation **10 stones 1 lb.**
 Duration of the Disease **One month.**
 Family History **Good**

Past History of the Patient **Had repeated attacks of Malarial fever.
 Had no other serious illness. Present condition
 began a month after an attack of fever.**

How Disease was brought to his notice

In the Hospital after examination.

Condition of Patient at the time of Consultation

**Pale and sallow looking, and very much emaciated.
 gets fever of remittent type every day. Spleen
 enlarged. Liver can be felt below the costal
 margin and is somewhat tender. Bowels costive.
 Appetite poor and feels thirsty nearly whole day.
 No neurotic symptoms.**

Examination of Urine:

Quantity in 24 hours **67 ozs.**
 Reaction **acid.**
 Physical Properties **high coloured without acetone smell.**
 Specific Gravity **1035.**
 Albumen **absent.**
 Sugar **daily Total 30 grammes 2p.c in the morning specimen.**
 Gerhard's Test **negative.**
 Microscopic **no casts.**

Examination of Blood **Malarial parasites and increased
 white cells.**

Progress **With iron and quinine his condition improved.**

Result **He eventually left the Hospital as cured after 6 wks.**

Complications

Post Mortem

Name and Sex A.H. male ~~Private~~ or Hospital Patient

Caste Mahomedan.

Occupation Sweetmeat seller Age 48

Weight at the time of Consultation 8 stones 11½ lbs.

Duration of the Disease Ten years.

Family History Father died of apoplectic fits and mother of cholera. There are two younger brothers and one sister. They are healthy so far, but are all inclined to be neurotic.

Past History of the Patient

Ten years ago he had an acute attack of thirst and a doctor found that there was sugar in his urine. He was in the Hospital for this for nearly a month. His thirst subsided and he went away. Three years after, the nails of his toes and fingers came away. He had no other illness till a year ago, when he hurt the little toe of his right foot. Since then this toe has been gradually getting dried and black coloured. Shortly after, his big toe developed a sore that was very painful and this too became dried & black.

Condition of Patient at the time of Consultation

Little toe, dried, black and gangrenous. Line of demarcation very clear. On the big toe there is a patch, dark and gangrenous, surrounded by dark red area. Other toes of the right foot are normal, but pulsation in the Dorsalis Pedis artery is scarcely perceptible. Left foot has tingling sensation in the toes but no sore. Both knee jerks are present and there is no loss of sensation. Heart & lungs normal & there is no other neurotic symptom.

Examination of Urine:

Quantity in 24 hours 58 ozs.

Reaction acid.

Physical Properties Pale straw coloured without acetones.

Specific Gravity 1030 .

Albumen none

Sugar daily Total 70 grammes. 4 p.c. in the morning specimen on usual diet.

Gerhardt's Test negative.

Microscopic

Examination of Blood

Progress The little toe had to be amputated and the patient stood the operation well. The big toe recovered under stimulating treatment. With Jambul and Opium his general condition remained about the same.

Complications Milk diet and nuts reduced his sugar to less than 2%

Post Mortem

Name and Sex A.N. male ~~Private~~ Hospital Patient
 Caste Hindu
 Occupation Commissariat Agent Age 45 years.
 Weight at the time of Consultation 11 stones 2 lbs.
 Duration of the Disease 14 days.
 Family History Father died of gout

Past History of the Patient Subject to Renal colic attacks. Has had several of them during the past six months. He had no other serious illness. The last colic attack he had was about 14 days ago, after which he felt fearfully thirsty. During the last attack he had a fit of retching with vomiting also. He never had any difficulty in passing urine and he How Disease was brought to his notice did not notice and change in its colour.

On examining the urine sugar was found in it.

Condition of Patient at the time of Consultation Looked somewhat anaemic, otherwise general condition good. Teeth alright; bowels costive; appetite good; thirst still excessive; got up at night two or three times, on account of which his sleep was disturbed. Heart and lungs normal. No other neurotic symptom.

Examination of Urine:

Quantity in 24 hours 56 ozs.
 Reaction acid.
 Physical Properties Highly coloured without smell of Acetone
 Specific Gravity 1030.
 Albumen Cloud of albumen.
 Sugar ~~daily~~ Total 15 grammes. 1.5 p.c. in the specimen
 Gerhard's Test negative. after usual meal.
 Microscopic no casts.

Examination of Blood

Progress On cutting into the left kidney pelvis a dozen small stones were removed, and with recovery from this condition sugar also disappeared.
 Result

Complications

Post Mortem

Name and Sex A.R. male ~~Private~~ or Hospital Patient
 Caste Hindu.
 Occupation Confectioner. Age 52
 Weight at the time of Consultation 9 stones 3 lbs.
 Duration of the Disease 5 years
 Family History Good.

Past History of the Patient Five years ago his wife died, and no one was left to cook his food. He therefore took to eating sweet things which he used to make in his shop. One day he had a sudden attack of thirst which persisted for a long time and made him very weak.

How Disease was brought to his notice On consulting a doctor he was told that there was sugar in the urine and he was stopped from eating sweets.

Condition of Patient at the time of Consultation Complained of achy feelings in the legs especially on rainy days. Had a patch of chronic eczema on the left ear. Skin dry and rough. Bowels costive. Persistent soreness of gums. Sciatica in both legs now for several months which confined him to bed. Suffers from insomnia also. Heart and lungs normal.

Examination of Urine:

Quantity in 24 hours 69 ozs.
 Reaction acid
 Physical Properties pale straw coloured w.p. acetone smell.
 Specific Gravity 1032.
 Albumen- absent.
 Sugar daily Total 35 grammes 3 p.c. in the morning specimen
 Gerhard's Test absent. on usual food.
 Microscopic no casts

Examination of Blood

Progress With Opium and Aspirin his condition improved very much although the sugar did not disappear from his urine entirely, and after a month's treatment he went away very much better. I did not see him afterwards.
 Result
 Complications

Post Mortem

Name and Sex **A.S. Female** ~~Private or~~ Hospital Patient
 Caste **Hindu.**
 Occupation **Widow.** Age **35**
 Weight at the time of Consultation **6 stones 3 lbs.**
 Duration of the Disease **3 years.**
 Family History **Comes of a neurotic family. One of her brothers is subject to epileptic fits.**

Past History of the Patient **After the death of her husband she had never been well and had good deal of worry on this account and suffered from insomnia. Never had any serious illness before this.**

How Disease was brought to his notice **For excessive thirst she had to consult a doctor, who told her that she was suffering from glycosuria.**

Condition of Patient at the time of Consultation **Pale, weak and emaciated. Suffers from cramps in the legs, appetite good and constipation habitual. Suffers from insomnia. Complains of pain in the abdomen and back, and extreme weakness. No hardness felt in the abdomen and no vomiting. Stools were fatty. No jaundice.**

Examination of Urine:

Quantity in 24 hours **148 ozs.**
 Reaction **acid.**
 Physical Properties **pale straw coloured with smell of acetone.**
 Specific Gravity **1050.**
 Albumen **present.**
 Sugar daily Total **210 grammes. 7 p.c. after ordinary food.**
 Gerhard's Test **positive.**
 Microscopic **Granular casts present.**

Examination of Blood

Progress **three days after her admission she developed coma**
 Result **and died.**

Complications **On post mortem examination, Kidneys, Liver & Pancreas were all found cirrhotic and contracted. Pancreas was very much atrophied. It weighed $1\frac{1}{2}$ ozs, only and was ribbon shape.**

Post Mortem

Name and Sex A.W.S male ~~Private or~~ Hospital Patient
 Caste Christian.
 Occupation Railway Driver. Age 32.
 Weight at the time of Consultation 146 lbs.
 Duration of the Disease a week.
 Family History good.

Past History of the Patient

The patient was a steady young man. He was working in a malarious place and had had several attacks of malarial fever during his service. The last attack

How Disease was brought to his notice persisted for several days, and as the fever did not break he was sent

Condition of Patient at the time of Consultation to my hospital for further treatment.

As his chart was irregular and looked like that of Enteric, the symptoms were carefully watched and after two days observation no doubt was left that the disease was Enteric. One percent sugar was also found in his urine. After 21 days there was a

Examination of Urine:

Quantity in 24 hours	fall in temperature and a hope of
Reaction	recovery was entertained, but two
Physical Properties	days after, fever went up again and
Specific Gravity	Pneumonic symptoms set in, and the
Albumen	poor man died. A day previous to
Sugar	Total p.c.
Gerhardt's Test	his death there was hardly a trace
Microscopic	of sugar in his urine.

Examination of Blood

Progress

Result

Complications

I was permitted to hold a post mortem examination. There was typical ulceration of the lower part of the small intestines, hypostatic congestion and inflammation of both the lungs.

Liver, Spleen and Pancreas were all soft and congested. no special lesion of the Pancreas was observed.

Post Mortem

Name and Sex B.M. male ~~Private~~ Hospital Patient
 Caste Hindu.
 Occupation Grocer. Age 56.
 Weight at the time of Consultation 10 stones 10 lbs.
 Duration of the Disease Three months.
 Family History Good.

Past History of the Patient Has had usual attacks of Malarial fever. Habits sedentary, seldom took any exercise. Three months ago he suddenly felt very thirsty, and also passed large quantity of urine. He came to the Hospital and was treated for a fortnight with Opium. He went away feeling better but as he was becoming thinner & weaker every day he has again returned to the Hospital.

Condition of Patient at the time of Consultation

When I saw him he did not look particularly thin. There was still sufficient fat on him, but he was certainly very weak and could hardly walk without a support on account of pains in his legs. He had also eczema of the Scrotum. He was thirsty and did not eat much. There was no smell of acetone from the mouth but most of the teeth were decayed. Spleen was enlarged and liver could be felt below the costal margin. Bowels costive. Lenses were hazy.

Examination of Urine:

Quantity in 24 hours 68 ozs.
 Reaction acid.
 Physical Properties Pale straw coloured without acetones
 Specific Gravity 1042
 Albumen no albumen.
 Sugar daily Total 108 grammes 6 p.c. with specimen on usual diet.
 Gerhard's Test Positive.
 Microscopic

Examination of Blood

Progress Just a week after his admission the man suddenly expired from failure of heart action. P.M. was not allowed.

Complications

Post Mortem

Name and Sex B.M.B. male ~~Private~~ Hospital Patient
 Caste Hindu
 Occupation Sub-assistant surgeon 34
 Weight at the time of Consultation 146 lbs.
 Duration of the Disease One day
 Family History Good.

Past History of the Patient

The man was subject to attacks of Malarial fever and used to take Antifebrine when fever was on. One day he had fever and before going to bed took a dose of what he thought was Antifebrine but was really Strychnine (the bottles having got mixed up) Within a few minutes poisoning symptoms set in. I was sent for. Stomach-pump

How Disease was brought to his notice

brought out the poison and next morning he was out of danger. In the evening he noticed insects in his urine and on examination I found 0.5 % Glucose

Condition of Patient at the time of Consultation

which persisted for a week and then disappeared entirely by itself. The patient was in good health otherwise, strictly vegetarian and total abstainer.

Examination of Urine:

Quantity in 24 hours

Reaction

Physical Properties

Specific Gravity

Albumen

Sugar Total

0.5 p.c. in the specimen on
ordinary diet.

Gerhardt's Test

Microscopic

Examination of Blood

Progress

Result

Complications

Post Mortem

Name and Sex D.D. male ~~Private or~~ Hospital Patient
 Caste Hindu.
 Occupation Supervisor. Age 54
 Weight at the time of Consultation 8 stones 2 lbs.
 Duration of the Disease 18 months.
 Family History Comes of a neurotic family. One of his sisters used to have fits. (Epileptic)

Past History of the Patient Had had Malarial fever and had to undergo exposure at times. Has been healthy otherwise. 18 months ago he got wet and had fever for about ten days. After this he had slight cough and noticed that he felt extremely weak and was also getting thinner.

How Disease was brought to his notice On consulting a doctor he came to know that the cause of his trouble was sugar in the urine. Opium was given to him but as it increased his constipation he gave it up.

Condition of Patient at the time of Consultation When I saw him he looked pale and anaemic and complained of extreme weakness. Any kind of exertion made him tired. His appetite was normal, thirst not excessive and bowels costive. No neurotic symptoms and heart and lungs appeared healthy. Liver and Spleen could be felt in the abdomen.

Examination of Urine:

Quantity in 24 hours 150 ozs.
 Reaction acid.
 Physical Properties colourless fluid without acetone smell.
 Specific Gravity 1040
 Albumen a trace
 Sugar daily Total 200 grammes 7 p.c. in the specimen on usual diet.
 Gerhardt's Test negative.
 Microscopic

Examination of Blood

Progress He was put on purely milk and nut diet and Jambul powders. In the course of a month he gained 2 lbs
 Result in weight and percentage of sugar reduced to 4.5%. He was advised to take leave and have some mental rest.
 Complications I saw him a year after and he told me that he was living principally on milk. He looked decidedly better.

Post Mortem

Name and Sex **D.G.T. male** ~~Private~~ Hospital Patient
 Caste **Gurkha.**
 Occupation **Sepoy.** Age **25**
 Weight at the time of Consultation **115 lbs.**
 Duration of the Disease **3 days**
 Family History **Good.,**

Past History of the Patient

The man was not feeling well for some days and came to Hospital with fever 102 degrees F.

The temperature went up steadily in a ladder shape manner and there was no difficulty in diagnosing
 How Disease was brought to his notice that the fever was Enteric. On examination of his

urine one per cent sugar was found. While every
 Condition of Patient at the time of Consultation hope of his recovery was entertained, one day his attendant gave him a plantain to eat which brought on severe pain and sudden collapse. A few hours after the man died. Post mortem examination was held and rupture of one of the ulcerations was noticed. There

Examination of Urine: were also a lot of round worms in the gut. His
 Quantity in 24 hours lungs were healthy, but Liver, Spleen
 Reaction and Pancreas were soft, congested
 Physical Properties and flabby. No special lesion of the
 Specific Gravity and flabby. No special lesion of the
 Albumen Pancreas was found.
 Sugar Total p.c.
 Gerhardt's Test
 Microscopic

Examination of Blood

Progress

Result

Complications

Post Mortem

Name and Sex **D.S** **male** ~~Private~~ Hospital Patient
 Caste **Sikh Hindu**
 Occupation **Contractor** Age **36**
 Weight at the time of Consultation **9 stones 11 lbs.**
 Duration of the Disease **Two months**
 Family History **Good.**

Past History of the Patient

Had repeated attacks of fever. Has been subject to Asthma also for the last five years. Had no other serious illness. He has been in the present condition for the past two months.

How Disease was brought to his notice

In the Hospital.

Condition of Patient at the time of Consultation

Pale and thin with weak emphysematous chest. No inclination to take food. Sleep much disturbed on account of fever, thirst and frequent micturition. Gets fever of remittent type every day. Spleen enlarged and liver v somewhat tender. very nervous, bowels irregular.

Examination of Urine:

Quantity in 24 hours **48**
 Reaction **acid**
 Physical Properties **high coloured**
 Specific Gravity **1037**
 Albumen **absent**
 Sugadaily Total **25 grammes 2.5p.c. in the morning**
 Gerhardt's Test **negative** **specimen on usual food.**
 Microscopic

Examination of Blood **Malarial parasites.** Diminution of red cells and increase in white cells
 Progress **With Arsenic and Quinine his fever broke and with**
 Result **it glycosuria also disappeared in the course of a month.**

Complications

Post Mortem

Name and Sex E.M. female ~~Private or~~ Hospital Patient
 Caste Hindu
 Occupation Married Age 50
 Weight at the time of Consultation 8 stones 12 lbs.
 Duration of the Disease 2 years
 Family History Father and mother both died of Diabetes .

Past History of the Patient The disease began two years ago with general debility and thirst which got gradually worse. Before this she never had any serious illness. Her eye sight has also been failing lately

How Disease was brought to his notice On consulting a doctor she came to know that there was sugar in the urine.

Condition of Patient at the time of Consultation Complains of insomnia and shortness of breath on exertion. Feels extremely weak and has no inclination to do anything or move about. Thirst not so bad. Both lenses are hazy and show signs of cataract formation. Bowels costive, respiration normal and so is heart. Has pains in the legs which get worse at night. Prematurely old.

Examination of Urine:

Quantity in 24 hours 54 ozs.
 Reaction acid
 Physical Properties Pale straw coloured. No Acetone smell.
 Specific Gravity 1029
 Albumen a trace.
 Sugar daily Total 28 grammes. 2.5 p.c. in the morning specimen
 Gerhardt's Test negative. after usual food.
 Microscopic no casts

Examination of Blood With Arsenic, Iron & Strychnine her
 Progress condition improved a little, but when I saw her last,
 Result some years after there was still sugar in her urine.

Complications

Post Mortem

Name and Sex F.S male ~~Private~~ or Hospital Patient

Caste hindu

Occupation Cotton-mill worker Age 37

Weight at the time of Consultation 9 stones 2 lbs.

Duration of the Disease 8 months.

Family History Father died of Asthma, mother still alive and well.
No other brother or sister. Patient is married and has two children, healthy looking.

Past History of the Patient The patient never had any serious illness until 8 months ago, when he had an acute attack of thirst, and this has been troubling him ever since. On consulting a doctor he was told that he had sugar in the urine. Seven weeks ago he had troublesome cough with expectoration and soon after his legs and ankles began to swell. Since then he noticed that

How Disease was brought to his notice he has been losing flesh rapidly.

Condition of Patient at the time of Consultation had cough with expectoration which had Tubercle Bacilli. There was pain in the left chest and Dyspnoea on exertion. There was marked thirst and bowels were inclined to be costive. Heart was fairly normal. Skin was harsh and dry and a few small pimples on the nape of the neck. There was slight oedema in both legs. Did not complain of neuralgia or neuritis. Reflexes all right and eye-sight good. There was daily rise of temperature on account of Tuberculosis. Appetite poor.

Examination of Urine:

Quantity in 24 hours	140 ozs.
Reaction	acid
Physical Properties	watery fluid with greenish tinge; no acetone smell.
Specific Gravity	1032
Albumen	cloudy.
Sugar	daily Total 200 grammes. 6 p.c. in the morning specimen with usual diet.
Gerhardt's Test	absent
Microscopic	no casts.

Examination of Blood

Progress Showed no improvement and after a month he left the place.

Result

Complications

Post Mortem

Name and Sex G.C. male ~~Private~~ Hospital Patient
 Caste Hindu
 Occupation Engine driver Age 36
 Weight at the time of Consultation 6 stones 12 lbs.
 Duration of the Disease 2 years
 Family History Nothing special.

Past History of the Patient Two years ago the patient felt excessive thirst for which he consulted a doctor and was told that there was sugar in his urine. He was also told not to take starchy food and abstain from rice. He did not pay much attention to his diet and he noticed that he was gradually becoming thinner and weaker. He had been coughing a great deal for the last few months. Had been very casual with his meals; lived entirely on sweets sometimes.

Condition of Patient at the time of Consultation

The man looked thin and emaciated. Thirst was considerable. Had cramps in the legs. Also vomited sometimes. Cough was the thing he complained of most. Had smell of Acetone in his breath. Did not feel inclined to do any work. His sleep was disturbed on account of frequency of micturition. His temper was irritable and sexual power completely gone. No Tubercle Bacilli in the Sputum. Complained of pain in the abdomen and back.

Examination of Urine:

Quantity in 24 hours 95 ozs.
 Reaction acid
 Physical Properties pale greenish yellow with acetone smell.
 Specific Gravity 1044
 Albumen a trace
 Sugar daily Total 32 grammes. 6 p.c. after ordinary diet.
 Gerhard's Test negative
 Microscopic Squamous Epithelial cells but no casts.

Examination of Blood With rest from work and moderation in carbohydrates and with Opium Grs. 2, three times daily his condition improved and after a month he left the Hospital to go home on leave. He gained 2 pounds in weight and sugar was reduced to 20 grammes a day. About a year after I saw him again and he looked decidedly better. The sugar had gone under 1%

Post Mortem

Name and Sex G.D. male ~~Private~~ Hospital Patient
 Caste hindu
 Occupation Merchant Age 56
 Weight at the time of Consultation 7 stones 11 lbs.
 Duration of the Disease 8 years..
 Family History Father died of Asthma, one brother epileptic and
 two of his children died of convulsions.

Past History of the Patient

Has been Asthmatic himself for the last 15 years. Has also been suffering from Internal Piles for the last 10 or 12 years. Has had several attacks of Malarial fever. His present illness manifested itself by sudden thirst about 8 years ago. Since then he has been gradually losing weight and of late his eyesight has also become defective. He had come to the Hospital for Piles 8 years ago. At that time sugar was found in the urine.

Condition of Patient at the time of Consultation

Looked pale and anaemic and very much emaciated. His lenses showed signs of cataract formation. Most of the teeth were gone, and the remaining ones were loose. There was no smell of acetone with breath. Lungs were Emphysematous, heart sounds weak and cardiac area was diminished. Liver could be felt below the costal margin. Spleen enlarged. There was gangrene of the little toe of the right foot with no line of demarcation.

Examination of Urine:

Quantity in 24 hours	76 ozs.
Reaction	acid
Physical Properties	Pale straw coloured without Acetone smell
Specific Gravity	1036
Albumen	a trace
Sugar daily Total	50 grammes. 2.5 p.c. in the specimen on usual diet.
Gerhardt's Test	negative
Microscopic	no casts

Examination of Blood

Progress He was put on milk and Jambul powders and as far as his diabetic condition was concerned he showed ~~no~~ signs of improvement. The sugar went down below one per cent and the foot began to heal. He put on 5 lbs weight in a month.

Post Mortem

✓ Name and Sex H.C. male ~~Private~~ Hospital Patient
 Caste Hindu
 Occupation Police Age 38.
 Weight at the time of Consultation 8 stones 10 lbs.
 Duration of the Disease One year.
 Family History Father died of Asthma. No history of Diabetes

Past History of the Patient Has always been a healthy man and with the exception of usual attacks of Malarial fever had no serious illness.

His present illness commenced with a chill a year ago. He had then severe pain in the stomach and back. He felt excessively thirsty, very weak and passed large quantity of urine. How Disease was brought to his notice Since then he has been losing weight gradually. He was examined by a doctor and sugar was found in his urine.

Condition of Patient at the time of Consultation

When he came to my hospital he was extremely weak and emaciated. His skin was dry and harsh. Tongue like raw ham, teeth decayed, gums receded and swollen and breath sweet smelling. Abdomen was full and somewhat tender in the Epigastric region and there was general muscular and fatty wasting. Knee jerks absent and sensation about the toes numbed. Felt very drowsy and thirsty.

Examination of Urine:

Quantity in 24 hours 258 ozs.
 Reaction acid
 Physical Properties Coloured fluid with Acetone smell.
 Specific Gravity 1040
 Albumen Present
 Sugar daily Total 510 grammes. 8 p.c. in the specimen on usual diet.
 Gerhardt's Test Present
 Microscopic Granular casts and Epithelial cells.

Examination of Blood

Progress The man lived for a fortnight, showing no improvement with salts and opium. He died of coma, and on Result post mortem examination his kidneys were found contracted and Pancreas atrophic, weighing $1\frac{1}{2}$ ozs. Complications Spleen was enlarged and fragile and so was Liver.

Post Mortem

✓ Name and Sex H.J., male ~~Private~~ or Hospital Patient
 Caste Mahomedan.
 Occupation Butcher Age 41
 Weight at the time of Consultation 7 stones 10 lbs.
 Duration of the Disease Ten months.
 Family History Good.

Past History of the Patient Had no previous serious illness. Has been fond of sexual excesses and indulged also in masturbation in his younger days. Has always been very fond of meat. Present illness came on gradually ten months ago with thirst, hunger, weakness and loss of flesh and Poly~~uria~~^{nia}. He used to weigh over 12 stones before this illness came on.

How Disease was brought to his notice The doctor whom he consulted told him that he was passing sugar and advised him to diet himself.

Condition of Patient at the time of Consultation

When I saw him he was anaemic and very much emaciated. Skin harsh and dry, teeth decaying, gums swollen, tongue raw ham coloured, breath sweet. No abnormal sounds in the chest. Liver dullness increased. Bowels costive. Knee jerks absent. Nothing felt in the Abdomen. Calf muscles tender. Complained of great weakness and sleeplessness. Sexual power totally gone. Vision normal. Radial artery slightly thick. Sensation acute and Plantar reflexes very active.

Examination of Urine:

Quantity in 24 hours 346 ozs.
 Reaction acid.
 Physical Properties colourless fluid with smell of Acetone
 Specific Gravity 1038
 Albumen present.
 Sugar daily Total 750 grammes. 9 p.c. with specimen on usual diet.
 Gerhardt's Test Positive.
 Microscopic Granular casts and squam. Epithelial cells.

Examination of Blood

Progress This unfortunate man did very well in the beginning on milk diet and Opium, the quantity of
 Result urine having been reduced to 140 ozs., and sugar to 4%, but he caught chill, had Pneumonia and died.
 Complications On post mortem examination both lungs were found to be inflamed, and Liver, Kidneys and Pancreas were cirrhotic. Liver and Spleen were enlarged. Kidneys were natural in size and Pancreas weighed only an ounce and was ribbon-shape.

Post Mortem

Name and Sex I.B. male ~~Private~~ Hospital Patient
 Caste Mahomedan
 Occupation Grocer Age 35.
 Weight at the time of Consultation 10 stones 5 lbs.
 Duration of the Disease
 Family History Good.

Past History of the Patient had this water trouble for several years and he was told that there was stone in the Bladder. He eventually made up his mind to undergo the operation for which he was kept under chloroform for over an hour. After the operation glucose continued in his urine for a week and then disappeared without any remedy. The quantity did
 How Disease was brought to his notice
 not increase materially.

Condition of Patient at the time of Consultation

Examination of Urine:

Quantity in 24 hours	37 ozs.
Reaction	acid
Physical Properties	Pale straw coloured with smell of Acetone.
Specific Gravity	1032
Albumen	absent
Sugar	Total 20 grammes. 2.5p.c. in the morning
Gerhardt's Test	negative specimen on usual food.
Microscopic	nil.

Examination of Blood

Progress

Result

Complications

Post Mortem

✓ Name and Sex **J. male** ~~Private~~ Hospital Patient
 Caste **Hindu.**
 Occupation **—** Age 9
 Weight at the time of Consultation **3 stones 8½ lbs.**
 Duration of the Disease **One year**
 Family History **Belongs to neurotic family.**

Past History of the Patient **The boy had Measles 4 or 5 years ago. Has been delicate and nervous always. The boy first began to wet his clothes a year ago, and on examination the doctor found sugar in his urine. In spite of his good appetite he had lost weight and become thinner.**

How Disease was brought to his notice

Condition of Patient at the time of Consultation **A thin, delicate looking boy. Skin dry and atrophic. Mind irritable. Complained of spasms, headache, and sciatic pains on both sides. Knee jerk, left side - slight; right side - normal. Psoriasis on both knees. Vision normal. Faeces were white coloured fatty masses. Appetite good. Drinks more water than usual. Acetone smell with breath, drowsy all day.**

Examination of Urine:

Quantity in 24 hours	280 ozs.
Reaction	acid
Physical Properties	colourless watery fluid with Acetone
Specific Gravity	1038. smell.
Albumen	absent.
Sugar	daily Total 260 grammes. 6.6 per cent with specimen
Gerhardt's Test	Present. after usual diet.
Microscopic	No casts.

Examination of Blood

Progress **In this severe case of Diabetes, drugs had only a temporary effect. Glycosuria fluctuated with**
 Result **the quantity of carbohydrates but never disappeared on absolute diet. Two years after I heard that the poor boy died of coma.**
 Complications

Post Mortem

✓ Name and Sex J.H. female ~~Private or~~ Hospital Patient
 Caste Hindu
 Occupation -- Age 11
 Weight at the time of Consultation not taken.
 Duration of the Disease 2 days.
 Family History good.

Past History of the Patient The child was bitten by a dog two days ago and yesterday suddenly developed a temperature of 104.6 degrees F., for which she was brought to the Hospital.

How Disease was brought to his notice

Condition of Patient at the time of Consultation

The child was peevish and irritable. Fever 104.5 degrees F., Pulse 122 per minute and regular, respiration 34, Lungs clear, no sign of Pneumonia. Vomited once. Distinct smell of Acetone in the breath. Wetted clothes.

Examination of Urine:

Quantity in 24 hours	24
Reaction	acid
Physical Properties	Pale yellow with smell of Acetone.
Specific Gravity	1025.
Albumen	none
Sugar Total	a trace. p.c.
Gerhardt's Test	positive
Microscopic	

Examination of Blood

Progress	Two days after temperature went down, but
Result	glycosuria went up and 2 per cent sugar was found for a fortnight. The girl went on taking her usual diet. With the temperature, Gerhardt's reaction also disappeared. The girl left the Hospital after
Complications	three weeks as cured.

Post Mortem

✓ Name and Sex J.N. male ~~Private~~ Hospital Patient
 Caste Christian
 Occupation railway time-keeper Age 51.
 Weight at the time of Consultation 8 stones 5 lbs.
 Duration of the Disease Two years
 Family History good.

Past History of the Patient Has had Malarial fevers several times. Had Jaundice about 15 years ago. Has been in the habit of drinking beer about 3 pints daily. Has been subject to Internal Piles for the last 12 or 13 years. Present illness came on about 2 years ago with excessive thirst and frequency of micturition, and since then has been growing steadily weaker and thinner. A doctor on examination had then told him he had sugar in the urine.

Condition of Patient at the time of Consultation When I saw him he looked weak and emaciated and prematurely old. His mental condition was not clear and his memory defective. His breathing was short and somewhat offensive. Gums swollen and some teeth loose. His heart sounds were weak and Lungs emphysematous. Liver could be felt $1\frac{1}{4}$ " below the Costal margin. Spleen was also enlarged. Legs were tender and feet oedematous.

Examination of Urine:

Quantity in 24 hours	70 pzs
Reaction	acid
Physical Properties	pale straw coloured without Acetone smell.
Specific Gravity	1029
Albumen	a trace.
Sugar daily Total	51 grammes. 3 p.c. in the specimen on usual diet.
Gerhardt's Test	positive
Microscopic	no casts.

Examination of Blood

Progress I put him on purely milk diet and Jambul powders.
 Result Percentage of sugar went down to less than half of what it was but his general condition showed very little improvement. I sent him on sick-leave and did not see him again.
 Complications

Post Mortem

✓ Name and Sex J.R. male ~~Private~~ Hospital Patient
 Caste Christian
 Occupation Merchant Age 61
 Weight at the time of Consultation 12 stones 13 lbs.
 Duration of the Disease about 3 years
 Family History rather suffered from Gout, Mother was stout.

Past History of the Patient Always enjoyed good health. About three years ago he suddenly began to feel very thirsty on account of which he consulted a doctor who told him that he was passing sugar in his urine, and advised him special diet which he followed for some time. His thirst then went away, and he thought nothing more of the disease. About six months ago he noticed that his right foot became painful and swollen and since then he has been more or less in the same condition. When I saw him, he had Perforating Ulcer of the right toe, and his right foot was swollen, and there was discharge from the ulcerated surface. Otherwise he looked in good health. He also told me that he was a bit thinner than before. He weighed about 14 stones at one time.

How Disease was brought to his notice

Condition of Patient at the time of Consultation

Examination of Urine:

Quantity in 24 hours	56 ozs.
Reaction	acid
Physical Properties	pale straw coloured without Acetone.
Specific Gravity	1030
Albumen	none
Sugar Yes Total	20 grammes. xx 2 $\frac{1}{3}$ % on ordinary diet.
Gerhardt's Test	negative
Microscopic	urates present and also crystals of Oxalate of Calcium.

Examination of Blood

Progress After amputation the man made good recovery. He stood the operation well. Opium was regularly given to him. There was still sugar in the urine when he left me but no other serious symptoms.

Result

Complications

Post Mortem

✓ Name and Sex K.B male ~~Private~~ Hospital Patient
 Caste Mahomedan.
 Occupation Grocer Age 30
 Weight at the time of Consultation 126 lbs.
 Duration of the Disease One day.
 Family History good.

Past History of the Patient

How Disease was brought to his notice

This man had to undergo an operation for double Inguinal Hernia for which he was under chloroform for over an hour .
 Next day insects and ants were

Condition of Patient at the time of Consultation

seen getting into his urine bottle and on examination 0.5% glucose was seen in the urine. With the improvement in the case the sugar disappeared and left no ill effect behind.

Examination of Urine:

Quantity in 24 hours

Reaction

Physical Properties

Specific Gravity

Albumen

Sugar Total 0.5 p.c.

Gerhardt's Test

Microscopic

Examination of Blood

Progress

Result

Complications

Post Mortem

✓ Name and Sex K.B. male ~~Private~~ Hospital Patient
 Caste Mahomedan.
 Occupation Grocer Age 35.
 Weight at the time of Consultation 110 lbs.
 Duration of the Disease One day
 Family History good.

Past History of the Patient Had always been in good health.

Very suddenly he got attacked by Cholera and was brought to the Hospital. At the time of admission there were all the classical symptoms of Asiatic Cholera -- Diarrhoea, vomiting, suppression of urine and cramps. With treatment

Condition of Patient at the time of Consultation his condition improved, and three days after he passed urine. Being interested in the urines, I examined it and found both sugar and albumen. On quantitative analysis the sugar was found to be one per cent. This lasted for ten days, gradually decreasing, and eventually

Examination of Urine:

Quantity in 24 hours	disappearing on the fifteenth
Reaction	day. A few days after, the
Physical Properties	patient left the Hospital as cured.
Specific Gravity	no medicine was given for glycosuria.
Albumen Present.	
Sugar Total	present 1 p.c.
Gerhardt's Test	negative
Microscopic	no casts or cells.

Examination of Blood

Progress

Result

126 Complications

Post Mortem

✓ Name and Sex K.C.B. male ~~Private~~ Hospital Patient
 Caste Hindu
 Occupation Musician Age 60
 Weight at the time of Consultation 9 stones 2 lbs.
 Duration of the Disease 5 years
 Family History Good from Diabetic point of view .

Past History of the Patient Has had Syphilis in his younger days. Has been fond of drink and sexual excesses. Has been ataxic for over 15 years. Present illness came on insidiously five years ago when he noticed that he was getting thinner and weaker and was passing large quantities of water, getting up at night twice or thrice.

How Disease was brought to his notice On consulting a doctor he came to know that he was passing ~~water~~ sugar in the urine.

Condition of Patient at the time of Consultation

Looked very old and weak. Ataxic in gait with a feeling as if cotton were under his feet. Knee jerks and other tendinous reflexes absent. Argyll Robertson's pupils. Vision in both eyes defective on account of old haemorrhagic patches in the Retinae. Radial and Temporal arteries showed distinct degenerative changes. Appetite good, bowels costive, all teeth gone, no smell of Acetone from the breath. Thirst not excessive. Micturition more frequent. Sleep poor. Internal organs not enlarged. Felt tired and exhausted.

Examination of Urine:

Quantity in 24 hours	56 ozs.
Reaction	acid
Physical Properties	pale straw coloured without Acetone smell.
Specific Gravity	1029
Albumen	a trace
Sugar daily Total	26 grammes.2 p.c. on usual diet.
Gerhardt's Test	negative
Microscopic	no casts

Examination of Blood showed hyperglycoemia.

Progress The man was more anxious about his Locomotor ataxia than for Glycosuria. As I was not able to do much for this he remained under my treatment for a fortnight and then went away. Silver nitrate pills did him some good. About a year after I heard from his people that he died of Cerebral haemorrhage.

Result

Complications

Post Mortem

✓ Name and Sex K.L. male ~~Private~~ or Hospital Patient
 Caste Hindu
 Occupation Clerk Age 28.
 Weight at the time of Consultation 112 lbs
 Duration of the Disease One month
 Family History Nothing special.

Past History of the Patient The man had to work in a malarious place, and used to get fever almost daily, especially during the rains. Eventually he got very bad and had to come to Hospital. On examination of his urine 0.8 per cent sugar was found and beyond this there was no other symptom of Diabetes. His appetite was also very poor. With careful nursing and doses of Quinine he made good recovery and left the Hospital after a month. His Spleen still remained large, for which instructions were given. There was no albumen in the urine.
 How Disease was brought to his notice
 Condition of Patient at the time of Consultation

Examination of Urine:

Quantity in 24 hours
 Reaction acid
 Physical Properties Pale straw coloured fluid.
 Specific Gravity 1025
 Albumen none
 Sugar Total present 0.8 p.c. in the specimen on
 Gerhardt's Test negative usual diet.
 Microscopic

Examination of Blood Malarial parasites present.
 Progress mild case
 Result recovered.

Complications

Post Mortem

✓ Name and Sex Malechild Lalla ~~Private~~ or Hospital Patient
 Caste Hindu
 Occupation - Age 4 years.
 Weight at the time of Consultation -
 Duration of the Disease 40 days
 Family History rather Diabetic, mother hysterical.

Past History of the Patient The child had Measles about a year ago, and very suddenly about 40 days ago, developed excessive thirst.

How Disease was brought to his notice

Condition of Patient at the time of Consultation Child merely a bag of skin and bones. Tongue furred and teeth rotten. Distinct smell of Acetone in the breath. Thrush present. Irritable and drowsy. Very thirsty. Had epigastric pains and vomited food sometimes. Stools hard. Otherwise normal.

Examination of Urine:

Quantity in 24 hours	not collected.
Reaction	acid.
Physical Properties	pale straw coloured with smell of Acetone.
Specific Gravity	1040.
Albumen	present.
Sugar Total	5 p.c. in the small specimen.
Gerhardt's Test	present
Microscopic	no tube casts.

Examination of Blood

Progress The case was evidently one of severe Diabetes, but was unable to find its cause. It might have been
 Result a case of Pancreatic Diabetes. Opium did him no good. He died after a fortnight of coma.

Complications

Post Mortem *not allowed.*

✓ Name and Sex M.A.M. female ~~Private~~ Hospital Patient
 Caste Hindu
 Occupation - Age 14
 Weight at the time of Consultation 70 lbs.
 Duration of the Disease six months.
 Family History good.

Past History of the Patient

Had Measles and Hooping Cough in childhood. Has had no other serious sickness except occasional attacks of Malarial fever of mild type. The onset of the present illness was sudden.

How Disease was brought to his notice

Excessive thirst, and her wetting bed-clothes every night attracted her mother's attention, and on consulting a doctor, sugar in large quantities was found in her urine.

Condition of Patient at the time of Consultation

Very thin and pale with dry scaly skin. Depressed and irritable. felt creepings in the arms and legs. Teeth carious, tongue coated, fissures in both angles. Appetite voracious, Bowels costive and Liver sluggish. Had soft cataract in both eyes.

Examination of Urine:

Quantity in 24 hours	140 ozs.
Reaction	acid
Physical Properties	colourless watery fluid with Acetone smell.
Specific Gravity	1046
Albumen	none.
Sugar daily Total	210 grammes. 7.12 percent in the specimen
Gerhardt's Test	present . on usual diet.
Microscopic	no casts.

Examination of Blood

Progress With Opium and moderation in carbohydrates her condition improved for a while, she having put on
 Result 10 lbs flesh in the course of two months, but later she became dyspeptic and had diarrhoea and relapsed into her old state, and died of coma at her home.
 Complications

Post Mortem

✓ Name and Sex M female ~~Private or~~ Hospital Patient
 Caste Hindu
 Occupation None Age 11
 Weight at the time of Consultation 49 lbs.
 Duration of the Disease Three months
 Family History Mother died three years ago; rather re-married a year ago; child left in the hands of poor relations.

Past History of the Patient During her mother's lifetime, the child was sufficiently well-cared for and always enjoyed good health. The trouble commenced only since the re-marriage of her father, when she was left in the hands of others.

How Disease was brought to his notice
 Excessive thirst and wetting of clothes at night attracted her peoples' attention.

Condition of Patient at the time of Consultation
 Very much emaciated, passing urine every two hours and drinking water constantly. felt very weak and complained of pains in the lower part of the body. Had voracious appetite and distinct smell of Acetone from the mouth.

Examination of Urine:

Quantity in 24 hours	200 ozs.
Reaction	acid.
Physical Properties	Pale straw coloured, very clear with
Specific Gravity	1049 sweetish odour.
Albumen	present
Sugar daily	Total 200 grammes. 7 p.c. in the specimen on
Gerhardt's Test	present usual food.
Microscopic	granular casts.

Examination of Blood not performed.

Progress The patient was too far advanced to derive any benefit from salts etc.

Result Died from coma within a week.

Complications

Post Mortem Not allowed.

Name and Sex M.B. male ~~Private~~ or Hospital Patient
 Caste Manomedan.
 Occupation Grocer Age 30
 Weight at the time of Consultation 10 stones 11 lbs.
 Duration of the Disease 2 daysz
 Family History good.

Past History of the Patient The man never had any serious illness and has always been of steady habits. Some days ago several men were gambling and the patient happened to win some money. This excited the jealousy of some of his companions, and he was poisoned by one of them. The Police sent him to the Hospital for treatment.

How Disease was brought to his notice

Condition of Patient at the time of Consultation On arrival his condition looked very serious. Purging and vomiting was persistent, and his urine gave reaction for Arsenic. After a day his vomiting and purging ceased, but it was noticed that he was suffering from multiple neuritis and there was also 4.7 % glucose in his urine without any proportionate increase in the quantity or any other symptom of glycosuria. In a week's time the neuritis passed away and with it the sugar also.

Examination of Urine:

Quantity in 24 hours
 Reaction
 Physical Properties
 Specific Gravity
 Albumen none
 Sugar Total 4.7 p.c.
 Gerhardt's Test
 Microscopic

Examination of Blood

Progress

Result Complete recovery.

Complications

Post Mortem

✓ Name and Sex M.B. male ~~Private or~~ Hospital Patient
 Caste Burman Buddhist
 Occupation Labourer Age 31
 Weight at the time of Consultation 108 lbs.
 Duration of the Disease One week.
 Family History Good, and nothing special from diabetic point of view.

Past History of the Patient Got drunk one evening and had a fight with another man, during which he received severe injuries on the head and broke the outer table of the Parietal bone of the left side for which he was brought to the Hospital.

How Disease was brought to his notice While in the Hospital the disease was seen by the House Surgeon.

Condition of Patient at the time of Consultation

The man had received a severe shake of the brain, and his scalp over the left Parietal bone had a contused wound three inches long. The man was complaining of giddiness. Had the appearance of a well fed man. With the exception of sugar in the urine had no other symptoms of Diabetes.

Examination of Urine:

Quantity in 24 hours	45 ozs.
Reaction	acid.
Physical Properties	Pale straw coloured without smell of Acetone.
Specific Gravity	1035
Albumen	none
Sugar daily Total	30 grammes.4 p.c. after ordinary food
Gerhardt's Test	negative
Microscopic	

Examination of Blood

Progress The man remained in the hospital for nearly two months and eventually made good recovery. Glycosuria
 Result lasted for three weeks and gradually disappeared. The man left the hospital quite cured.

Complications

Post Mortem

✓ Name and Sex W.D. male ~~Private~~ or Hospital Patient
 Caste Mahomedan
 Occupation Trader Age 25
 Weight at the time of Consultation 135 lbs.
 Duration of the Disease 2 days
 Family History Nothing special.

Past History of the Patient Had won some money in gambling which excited the jealousy of his companions and they poisoned him with Arsenic, which being tasteless is very often used in India to satisfy grudges.

How Disease was brought to his notice The case was brought to the Hospital, and at first looked as if it were a case of cholera: but history and examination showed that it was a case of Arsenical poisoning.

Condition of Patient at the time of Consultation ~~was~~
 There were Diarrhoea, vomiting, severe pain in the stomach and extensive Multiple Neuritis with cramps in the calf muscles. On examination of the urine, sugar was noticed in the specimen without any other diabetic symptoms.

Examination of Urine:

Quantity in 24 hours	25 ozs.
Reaction	acid.
Physical Properties	Highly coloured and with sweetish odour
Specific Gravity	1030.
Albumen	a trace
Sugar daily Total	25 grammes. 4.5 p.c. in the specimen.
Gerhardt's Test	Red wine and reaction present.
Microscopic	no casts.

Examination of Blood

Progress As long as Diarrhoea and vomiting lasted, sugar also remained. On recovery the sugar disappeared and the man left the Hospital as cured after a week.
 Result Sugar, I believe, ^{was} due to the hyperaemic condition of his liver.
 Complications

Post Mortem

✓ Name and Sex M.G. male ~~Private or~~ Hospital Patient
 Caste Katchin.
 Occupation Cultivator Age 29.
 Weight at the time of Consultation 102 lbs.
 Duration of the Disease five months.

Family History. All the grown-up members of the family have goitre of varying sizes. Youngest boy is a cretin. Two young girls are free from goitre so far.

Past History of the Patient He does not remember anything about himself except the present complaint for which he came to consult me. He said he got it about 5 months ago after some strain, and he has been gradually getting worse. He is unable to do any work now on account of palpitation and shortness of breath.

How Disease was brought to his notice
 Sugar in urine was found in the Hospital.

Condition of Patient at the time of Consultation
 Well developed young man, Thyroid enlarged. Eyeballs prominent with some retraction of the upper lids when he looked down. There was some tremor in the hands but no perspiration or irritation of the skin. Palpitation of the heart but no murmur. felt shortness of breath on exertion. No smell of Acetone from the breath.

Examination of Urine:

Quantity in 24 hours	103 ozs.
Reaction	acid.
Physical Properties	colourless fluid with Acetone smell.
Specific Gravity	1032
Albumen	none
Sugar daily Total	52 grammes. 2 p.c. in the specimen on usual diet.
Gerhardt's Test	negative
Microscopic	no casts.

Examination of Blood

Progress I took note of this case in this connection on account of glycosuria. He was put on Opium but
 Result his condition did not show ^{much} improvement. Later he died of heart failure.

Complications

Post Mortem

✓ Name and Sex M.G. male ~~Private or~~ Hospital Patient
 Caste Burman Buddhist
 Occupation Trader. Age 27
 Weight at the time of Consultation 110 lbs.
 Duration of the Disease a week.
 Family History good.

Past History of the Patient This man was in Hospital for Secondary Syphilis, and was undergoing a mercurial course of treatment. After a fortnight he had salivation and it was casually noticed that the specimen of urine examined contained one per cent of sugar. Urine of 24 hours was then collected and examined. Total quantity of glucose was only 4 grammes. Mercury was stopped, and with it sugar also ceased to appear in the urine. The man left the Hospital completely cured after two months.

How Disease was brought to his notice

Condition of Patient at the time of Consultation

Examination of Urine:

Quantity in 24 hours
 Reaction
 Physical Properties
 Specific Gravity
 Albumen a trace
 Sugar daily Total 4 grammes. 1 p.c. on usual diet.
 Gerhardt's Test
 Microscopic

Examination of Blood

Progress

Result

Complications

Post Mortem

✓ Name and Sex Mg.H. male ~~Private~~ Hospital Patient
 Caste Burman Buddhist
 Occupation Toddy seller Age 38
 Weight at the time of Consultation 9 stones 8 lbs.
 Duration of the Disease 2 years 9 months.
 Family History good.

Past History of the Patient Has been in good health and doing liquor work for the last 15 years. Has been in the habit of drinking. Three years ago he had a severe cold and laid up in the Hospital for Bronchitis for two months. After this he noticed that he was always thirsty and had voracious appetite. In spite of this eating his eyes became dim and his legs gave way under him. Before the attack he was a heavy man, weighing over 12 stones. Since then he has done no work and has been more or less in the Hospital.

How Disease was brought to his notice

Condition of Patient at the time of Consultation

When I saw him he looked a regular wreck, thin and emaciated with smell of Acetone from the mouth and spongy gums. He was thirsty and complained of feeling giddy. Liver could be felt below the Costal margin and Abdomen was a bit tender below the Umbilicus. Spleen was not enlarged, and although heart and lungs appeared normal there was difficulty of breathing on exertion. He also complained of headache and was drowsy.

Examination of Urine:

Quantity in 24 hours	160 ozs.
Reaction	acid
Physical Properties	colourless fluid with Acetone smell.
Specific Gravity	1040.
Albumen	present
Sugardaily Total	215 grammes.8 p.c. in the specimen on usual diet.
Gerhardt's Test	Positive.
Microscopic	no casts.

Examination of Blood

Progress	Never showed any signs of improvement. His drowsiness gradually increased and he became comatose and died a fortnight after I saw him. On post mortem examination his brain was found covered with serous fluid and all his internal organs showed fibroid changes.
Result	
Complications	Pancreas weighed only an ounce and was atrophied and ribbon shaped.

Post Mortem

✓ Name and Sex M.L male ~~Private~~ Hospital Patient
 Caste Katchin
 Occupation Labourer Age 23
 Weight at the time of Consultation 7 stones 3 lbs.
 Duration of the Disease One month.
 Family History - Several goitre cases in the family.

Past History of the Patient Has had several attacks of Malarial fever. Three years ago an attack of Dysentery. Present illness came on a month ago with palpitation of heart and pain in the Cardiac region. He was cutting some wood at the time. On the following day his friends noticed that his eyes were bulging out and that his throat was swollen. He became short of breath at the same time.

How Disease was brought to his notice

Condition of Patient at the time of Consultation

When I saw him in the Hospital he looked like a robust man. His eyeballs were prominent with wide aperture and some retraction of the upper lids when he looked down. There was general enlargement of the Thyroid without any pulsation. There was palpitation but no murmur. There was no tremor, no perspiration and no irritation of the skin.

Examination of Urine:

Quantity in 24 hours	93 ozs.
Reaction	acid
Physical Properties	Colourless fluid without Acetone smell.
Specific Gravity	1029
Albumen	none
Sugardaily Total	40 grammes.2 p.c. in the specimen on usual food.
Gerhardt's Test	negative
Microscopic	nothing special

Examination of Blood

Progress The case was interesting to my purpose because there was sugar in the urine. The man was put on Opium.

Result His condition improved a lot, but he soon became home-sick and went away.

Complications

Post Mortem

✓ Name and Sex Mg.L. male ~~Private~~ or Hospital Patient
 Caste Burman Buddhist.
 Occupation Carpenter Age 26.
 Weight at the time of Consultation 7 stones.
 Duration of the Disease Three years.
 Family History Good, no history of Syphilis.

Past History of the Patient Has always been healthy and had no serious illness. His present illness came on with what he thought was an attack of Influenza, three years ago, during which he had an attack of giddiness and soon after this he found that the sight of the left eye was getting weak. Later on he noticed numbness and loss of power in the right arm. This state lasted for about 6 months and then began to improve. Next he noticed loss of power and numbness in the right arm and leg. This also improved gradually. After this the sight in the right eye failed somewhat and this also improved again. Then the condition of the patient came to a standstill for the past 18 months. For the last 10 months he noticed Poly^{ur}aemia and Condition of Patient at the time of Consultation

wasting and his doctor told him that there was sugar in the urine. At the time of consultation the patient had a feeling of general weakness. No pain in any particular place. No Sphincter trouble. Skin harsh and dry. Tongue has raw ham appearance. There is no rigidity or tremor of the upper or lower limbs. There is a subjective sensation of numbness but no impairment to sensory stimulations. Patellar and Triceps Reflexes are increased. Plantar reflexes are extensor and active. There is no tenderness of muscles or nerves. No ocular paresis. Pupils respond to light. There is more atrophy of the optic disc

Examination of Urine: in the left eye than in the right. With the right

Quantity in 24 hours 210 ozs. eye large prints can be read, but with left eye he can only
 Reaction acid. count fingers. He is unable
 Physical Properties to walk without support yet.
 colourless watery fluid w. smell of Acetone
 Specific Gravity 1042.
 Albumen present
 Sugar daily Total 272 grammes. 8 p.c. in the specimen after
 Gerhard's Test present. usual diet.
 Microscopic squamous epith. cells but no casts.

Examination of Blood

Progress The case is complicated with Insular Sclerosis and
 Result although the quantity and percentage of glucose
 improved a bit under modified diet his general
 Complications condition showed no improvement. He remained in the
 hospital for nearly 6 weeks and then his people took
 him away.

Post Mortem

✓ Name and Sex M.L. male ~~Private~~ Hospital Patient
 Caste hindu
 Occupation confectioner Age 32
 Weight at the time of Consultation 10 stones 2 lbs.
 Duration of the Disease After the operation.
 Family History good.

Past History of the Patient Had Reducible Inguinal hernia for several years, and as it suddenly became irreducible he was brought to the Hospital for an operation. He stood the operation well but for nearly a fortnight glucose
 How Disease was brought to his notice was found in his urine; at first 2% but later going down gradually and disappearing entirely at the end
 Condition of Patient at the time of Consultation of 14 days. The man had always been in good health otherwise.

Examination of Urine:

Quantity in 24 hours

Reaction

Physical Properties

Specific Gravity

Albumen

Sugar Total p.c.

Gerhardt's Test

Microscopic

Examination of Blood

Progress

Result

Complications

Post Mortem

✓ Name and Sex M.M. male ~~Private~~ Hospital Patient
 Caste Burman Buddhist.
 Occupation Forest guard Age 33
 Weight at the time of Consultation 7 stones
 Duration of the Disease One month.
 Family History good

Past History of the Patient has been subject to Malarial fevers for the last 5 or 6 years. Had no other serious sickness. Habits temperate. Present attack came on about a month ago.

How Disease was brought to his notice
 Discovered while in Hospital.

Condition of Patient at the time of Consultation

Pale and sallow looking, emaciated, Spleen enlarged. Poor appetite, bowels irregular. Rise in temperature daily in the afternoon. Liver slightly congested. Lungs and heart normal. No neurotic symptoms, tongue coated, felt very thirsty.

Examination of Urine:

Quantity in 24 hours	45 ozs.
Reaction	acid.
Physical Properties	high Coloured with urates.
Specific Gravity	1030
Albumen	absent
Sugar	daily Total 15 grammes. 1.5p.c. after ordinary meal.
Gerhardt's Test	negative
Microscopic	no casts.

Examination of Blood Malarial parasites with diminution of red cells. With usual Quinine and Arsenic treatment
 Progress he made good recovery and with improvement in his
 Result condition sugar also disappeared,

Complications

Post Mortem

✓ Name and Sex H.N. female ~~Private~~ Hospital Patient
 Caste Katchin.
 Occupation Married Age 17 years.
 Weight at the time of Consultation 84 lbs.
 Duration of the Disease One month.
 Family History Nearly every member of the family has goitre; but none of them is cretin or Epileptic.

Past History of the Patient About a month ago her people noticed that her eyes were becoming more prominent and her hands were shaky and that she was not able to walk on account of swelling in her legs. The swelling in the neck she had for the past 2 years but that being common in the family nobody cared about it. There was no history of her having any previous illness.

How Disease was brought to his notice

Condition of Patient at the time of Consultation

She had come to the hospital for the treatment for the Exophthalmic goitre, and it was only in a casual manner that glucose was found in her urine. She had no symptoms of Diabetes. There was general enlargement of the Thyroid gland and slightly more of the right lobe. Fine tremor was present in both the hands and the legs were oedematous. There was a cardiac systolic murmur over the pulmonary area and 2nd sound accentuated. Protrusion of the eyeball was also very distinct.

Examination of Urine:

Quantity in 24 hours	54 ozs.
Reaction	acid
Physical Properties	pale straw coloured without Acetone.
Specific Gravity	1035
Albumen	a trace
Sugar dailyTotal	25 grammes.2 p.c. on usual diet.
Gerhardt's Test	absent.
Microscopic	

Examination of Blood

Progress	I was not able to follow the progress of this case as Katchins are very impatient and casual people. She remained in the hospital for about a week and then went away. Thyroid extraxt was tried during this time without any appreciable result.
Result	
Complications	

Post Mortem

✓ Name and Sex M.P. female ~~Private~~ Hospital Patient
 Caste Hindu
 Occupation married Age 34. ?
 Weight at the time of Consultation 6 stones 2 lbs.
 Duration of the Disease Two years.
 Family History Father died of Diabetes and one sister is hysterical.

Past History of the Patient has always been neurotic and suffered frequently from pains in the back and legs. Was married 18 years ago and has had several children five of which are alive and healthy. Her present illness started with thirst and insomnia and on examination two years ago she was told that there was sugar in the urine.

How Disease was brought to his notice

Condition of Patient at the time of Consultation

Complained of headaches on getting up in the morning and severe pains in the legs. Looked emaciated and weak. No menstrual discharge for the past three months. Smell of Acetone from the mouth. Slept badly during the night and felt drowsy nearly whole day. No abdominal tumour to be felt. Liver extended $1\frac{1}{2}$ " below the costal margin and Spleen was also enlarged.

Examination of Urine:

Quantity in 24 hours	60 ozs.
Reaction	acid
Physical Properties	Pale straw coloured with smell of Acetone
Specific Gravity	1035.
Albumen	present
Sugar	Total 40 grammes. 2.5 p.c. in the specimen on
Gerhardt's Test	positive. usual diet.
Microscopic	granular casts and Epithelial cells.

Examination of Blood Reduction test with Methyline Alve *blue*

Progress In the evening, the day after I saw her, she felt queer and became suddenly unconscious with rapid pulse, shallow respiration and stertorous breathing, and next day died of coma.

Result On Postmortem examination the Pancreas was found atrophic and weighed $1\frac{3}{4}$ ozs. Both the Kidneys and Liver showed fibroid changes. Spleen was enlarged.

Post Mortem

Name and Sex	M.H. female	Private Hospital Patient
Caste	Katchin.	
Occupation	Married.	Age 25
Weight at the time of Consultation	118 lbs.	
Duration of the Disease	3 weeks.	
Family History	Mother, father and sisters have goitres. Married. Has one child. Has no history of Neurosis.	

Past History of the Patient She has been regular in her monthlies except once or twice when they were overdue. This time monthlies came on three weeks ago and since then she has been losing blood daily.

How Disease was brought to his notice

Condition of Patient at the time of Consultation Bowels costive and appetite bad. Slight cough but no sputum. feels weak and exhausted. Looks pale and anaemic. Speech slow, thick and hesitating. Skin dry and scaly. The body looks heavy and oedematous. On examination of urine a trace of albumen and distinct reaction with fehling was noticed.

Examination of Urine:

Quantity in 24 hours	56 ozs.
Reaction	acid.
Physical Properties	Pale straw coloured without Acetone
Specific Gravity	1030. smell.
Albumen	a trace.
Sugar	Total 21 grammes, 2 p.c. in the morning specimen
Gerhardt's Test	negative. after ord. meal.
Microscopic	

Examination of Blood

Progress	With Thyroid Extract her condition improved and in the course of a month her weight went down and sugar disappeared entirely.
Result	

Complications

Post Mortem

Name and Sex M.S. male ~~Private~~ Hospital Patient
 Caste Hindu Sikh.
 Occupation Contractor Age 35.
 Weight at the time of Consultation 11 stones 5 lbs.
 Duration of the Disease One month.
 Family History good.

Past History of the Patient Except Malarial fevers never had any other serious illness. On account of his work he had to go and visit many unhealthy places. His present illness came on about a month ago.

How Disease was brought to his notice

While in Hospital under treatment for fever he had unquenchable thirst and on examination of the urine glucose was found.

Condition of Patient at the time of Consultation

Pale and sallow looking. Complained of excessive thirst. Had no desire to eat anything. Spleen enlarged. Temperature going up every day in the afternoon to 103 degrees and 104 degrees F. Sleep very bad. No other neurotic symptom. Lungs normal. Heart's action quick but normal. No smell of Acetone in the breath.

Examination of Urine:

Quantity in 24 hours	52 ozs.
Reaction	acid.
Physical Properties	red coloured fluid with lot of Urates.
Specific Gravity	1032.
Albumen	a trace.
Sugar dailyTotal	20 grammes, 2 p.c. on ordinary food.
Gerhardt's Test	negative.
Microscopic	no casts.

Examination of Blood Malarial parasites. red cells diminished and white cells increased.
 Progress With Quinine and tonics his condition improved
 Result and at the end of recovery from fever glycosuria also disappeared.

Complications

Post Mortem

Name and Sex M.S. male ~~Private or~~ Hospital Patient
 Caste Sikh.
 Occupation Mil. Police Age 43.
 Weight at the time of Consultation 7 stones 13 lbs.
 Duration of the Disease Three months.
 Family History Good.

Past History of the Patient Had Pleurisy some years ago for which he was sent to his home on sick leave. He got another attack last year, after which his right lung got affected. Since then he has not been well and has been in the Hospital more or less. Six weeks ago it was noticed that he was getting thinner and thinner and was very thirsty
 How Disease was brought to his notice and micturated more than usual. On examination his urine was found to contain 6 per cent of sugar and specific gravity of the urine was 1038. His sputum at this time was
 Condition of Patient at the time of Consultation purulent and breath offensive. His mouth was dry and tongue brown and furred. In spite of all what could be done for him he became drowsy and cyanosed and died of coma. His temperature varied between 101 degrees and 104 degrees F.

Examination of Urine:

Quantity in 24 hours 92 ozs.
 Reaction acid.
 Physical Properties Pale straw coloured with smell of Acetone.
 Specific Gravity 1038.
 Albumen a trace.
 Sugar dailyTotal 130 grammes, 6p.c. in the specimen on
 Gerhardt's Test positive. usual diet.
 Microscopic Squam. Epithelial cells.

Examination of Blood

Progress On post mortem examination his right lung was found
 Result riddled with tubercular cavities, Liver and Spleen
 congested. Left lung had pleuritic adhesions and
 was inflamed. Kidneys and Pancreas were congested.
 Complications

Post Mortem

Name and Sex M.W. male ~~Private~~ Hospital Patient
 Caste Hindu.
 Occupation Postal clerk. Age 42.
 Weight at the time of Consultation 10 stones 13 lbs.
 Duration of the Disease Three years
 Family History Belongs to neurasthenic family.

Past History of the Patient Three years ago the patient had an abscess in the small of the back for which he was in bed for 8 weeks and he attributes his present illness to this. While in bed he had dull pain all over the body but especially in the back and shortly after he noticed that he was passing large quantities of urine and felt very thirsty. His urine was then examined and sugar found in it. The pain has not left him since then.

Condition of Patient at the time of Consultation
 Well developed, face somewhat flushed, neurasthenic and complained of insomnia and frequency of micturition. Thirst not so great. Teeth sound, bowels inclined to be costive, suffers from palpitation, lungs normal, eyesight good. Stammers in speaking. Temper irritable and sexual appetite has been poor for the last three years.

Examination of Urine:

Quantity in 24 hours	57 ozs.
Reaction	acid
Physical Properties	Pale straw coloured w.o. smell of
Specific Gravity	1035 Acetones.
Albumen	a trace.
Sugar daily Total	40 grammes xx 4% in the specimen
Gerhardt's Test	negative. after ordinary food.
Microscopic	squamous Epithelium w.o. casts.

Examination of Blood

Progress With Opium and Aspidin his condition improved; and
 Result with moderation in diet and regular exercise he has been doing well although sugar never disappeared entirely on any occasion.

Complications

Post Mortem

Name and Sex M.B. male ~~Private~~ or Hospital Patient
 Caste Mahomedan.
 Occupation Overseer Age 29.
 Weight at the time of Consultation 9 stones 7 pounds
 Duration of the Disease One month.
 Family History good.

Past History of the Patient

Three years ago he was transferred to a malarious place and since then has had several attacks of fever. Last year he had taken three months leave on the same account, but on return was sent back to his old station. A month ago he got an acute attack of fever and since then he has not been able to shake it off and hence he came to see me.

How Disease was brought to his notice

Condition of Patient at the time of Consultation

Pale and sickly looking. Spleen enlarged, bowels irregular, and has no inclination to eat anything. Feels very thirsty and desires to drink water whole day. Has to get up at night two or three times to make water. Feels pains in his legs and has no energy to do any work. Heart and lungs are normal. The sleep on account of fever and frequent micturition is very much disturbed. The fever is of a remittent type. On examination of the urine glucose was found.

Examination of Urine:

Quantity in 24 hours 50 ozs.
 Reaction acid.
 Physical Properties pale straw coloured w.o. Acetone.
 Specific Gravity 1025.
 Albumen absent.
 Sugar dailyTotal 24 grammes, 2 p.c. in the morning specimen
 Gerhardt's Test negative. on usual diet.
 Microscopic

Examination of Blood Malarial parasites with increased white cells and diminished red cells. With Arsenic and Iron and Quinine his condition decidedly improved and afterwards I sent him on long leave. I saw him three years after and he was perfectly well without any sugar in the urine.

Complications

Post Mortem

Name and Sex N.M male ~~Private~~ Hospital Patient
 Caste Hindu.
 Occupation Writer Age 35.
 Weight at the time of Consultation 6 stones 2 lbs.
 Duration of the Disease Three years.
 Family History Father died of Cerebral hæmorrhage and was gouty.
 Mother still alive and well.

Past History of the Patient has always been healthy until three years ago when he had a sudden attack of pain in the abdomen and back, acute thirst, frequent micturition and extreme weakness. Since then he has not been well and gradually become emaciated. During this attack he was examined by a doctor and sugar was found in the urine.
 How Disease was brought to his notice

Condition of Patient at the time of Consultation This unfortunate man was brought to the Hospital in a hopeless condition. He was extremely weak and emaciated and complained of pain in the back and legs, especially in the calves. He was drowsy and there was distinct odour of Acetone in the breath.

Examination of Urine:

Quantity in 24 hours	260 ozs.
Reaction	acid.
Physical Properties	colourless fluid with smell of Acetone
Specific Gravity	1046.
Albumen	present.
Sugar daily	Total 525 grammes, 8 p.c. in the specimen on usual diet.
Gerhardt's Test	present.
Microscopic	Granular casts and squamous Epithelial cells

Examination of Blood

Progress	A week after his admission he became restless and drowsy, had an attack of coma and died. On
Result	post mortem examination his right Kidney was found to be contracted and Pancreas atrophic, weighing only $1\frac{1}{4}$ ozs. Spleen was somewhat enlarged and the
Complications	Liver cirrhotic.

Post Mortem

Name and Sex N.M. male ~~Private~~ Hospital Patient
 Caste Mahomedan.
 Occupation railway official. Age 38.
 Weight at the time of Consultation 7 stones.
 Duration of the Disease Two months.
 Family History Good.

Past History of the Patient Has had several attacks of Malarial fevers during his 15 years railway service and does not remember having any other serious illness. Two months ago had a severe attack of Dysentery which is not cured entirely as yet although blood and slime is very much less. At the same time he felt very thirsty and weak and his medical officer found that his case was complicated with sugar in the urine.

How Disease was brought to his notice

Condition of Patient at the time of Consultation Looked wasted and anaemic. Conjunctivae of yellowish tinge. Skin harsh and dry. Lower extremities somewhat oedematous. Tongue coated and brown in colour. Cardiac dullness normal but sounds somewhat weak. Abdomen slightly full. Liver dullness increased upwards and lower edge could be felt below the costal margin. Spleen enlarged, reaching the Umbilicus. No tenderness in the Liver or Spleen. No temperature. Appetite very poor.

Examination of Urine:

Quantity in 24 hours	90 ozs.
Reaction	acid.
Physical Properties	Pale straw coloured w.o. Acetone.
Specific Gravity	1032.
Albumen	a trace.
Sugar daily Total	40 grammes, 2 p.c. in the specimen on usual diet.
Gerhardt's Test	negative.
Microscopic	Some squam. Epithelial cells.

Examination of Blood

Progress In this case glycosuria was brought on by cachectic condition of the man. With Quinine and change of
 Result air he soon got over the complications.

Complications

Post Mortem

Name and Sex P.C.N. male ~~Private or~~ Hospital Patient
 Caste Katchin
 Occupation Labourer. Age 30.
 Weight at the time of Consultation 7 stones 5 lbs.
 Duration of the Disease 2 years.
 Family History good.

Past History of the Patient Did not notice any disease until two years ago when he began to have urinary trouble and now his difficulty in making water was so great that he came to the Hospital for relief. His Thyroid was also enlarged to the size of a large orange, but this gave him no trouble, and as goitre was common in the hills he belonged to, he thought How Disease was brought to his notice nothing of it.

Condition of Patient at the time of Consultation When I saw him he had all the symptoms of a stone in the bladder and had no other symptoms of Diabetes except sugar in the urine. The stone was of large size and taken out by supra pubic operation. The patient made good recovery and with removal of the stone, glycosuria also ceased. The man left the Hospital after a month as cured.

Examination of Urine:

Quantity in 24 hours
 Reaction acid.
 Physical Properties
 Specific Gravity 1025
 Albumen a trace.
 Sugar Total 2 p.c. in the specimen on
 Gerhardt's Test negative. usual diet.
 Microscopic

X Examination of Blood The sugar was probably due to the irritation of the ~~Nerves~~. Nerves

Progress

Result

Complications

Post Mortem

Name and Sex P.M. male ~~Private~~ or Hospital Patient
 Caste Hindu.
 Occupation Labourer. Age 27.
 Weight at the time of Consultation 103 lbs.
 Duration of the Disease One year three months.
 Family History Parents died some years ago. No brothers or sisters. Nothing known about other relatives.

Past History of the Patient Has always enjoyed good health.
 His present illness came after the famine of 1897, when he could not get sufficient to eat and since then he has been gradually getting thinner and weaker and has not done any work.

How Disease was brought to his notice

When he was in the Hospital he was told that the cause of his thirst was sugar in the urine.

Condition of Patient at the time of Consultation

When I saw him he was thin and emaciated with Acetone smell from the mouth. Passed large quantity of water and complained of severe thirst. He also complained of dull pain in the back and abdomen. He felt very weak and was unable to walk without a support. Had also cramps and pain in the calf muscles.

Examination of Urine:

Quantity in 24 hours 134 ozs.
 Reaction acid.
 Physical Properties Clear watery fluid with smell of Acetone.
 Specific Gravity 1039.
 Albumen present.
 Sugar daily Total 215 grammes, 7 p.c. in the specimen on usual diet.
 Gerhard's Test positive.
 Microscopic granular casts.

Examination of Blood

Progress This man went from bad to worse. After a few days he became drowsy and died of Diabetic coma.
 Result On post mortem examination his internal organs presented an appearance of extreme emaciation.
 Complications Pancreas was ribbon shaped and weighed only 1½ ozs. Right Kidney was also contracted.

Post Mortem

Name and Sex R. female ~~Private or~~ Hospital Patient
 Caste hindu
 Occupation Married. Age 19.
 Weight at the time of Consultation 106 lbs.
 Duration of the Disease One day.
 Family History The girl was married some years ago and used to live with her mother in law. One day they quarrelled and the girl tried to put an end to her life by taking a dose of Opium. She was brought to the Hospital in a narcotic state and
 Past History of the Patient treated. She was pulled round with difficulty. During examination 0.75 per cent of glucose was noticed in her urine and this lasted for three days.
 There was also polyuria.
 Beyond few attacks of Malarial fevers there was
 How Disease was brought to his notice no history of any previous illness.
 She made good recovery and left the Hospital after a week.

Condition of Patient at the time of Consultation

Examination of Urine:

Quantity in 24 hours
 Reaction
 Physical Properties
 Specific Gravity
 Albumen
 Sugar Total p.c.
 Gerhardt's Test
 Microscopic

Examination of Blood

Progress

Result

Complications

Post Mortem

Name and Sex R.B. male ~~Private~~ Hospital Patient
 Caste Mahomedan.
 Occupation Grocer. Age 30.
 Weight at the time of Consultation 136 lbs.
 Duration of the Disease The disease was discovered while in Hospital.
 Family History good.

Past History of the Patient The patient had a shop in a malarious place and had had several severe attacks of Malarial fever during the past three years which brought on enlargement of Spleen and cachectic look for which he had to come to the hospital. On examination of his blood Malarial parasites could be found with ease. While undergoing treatment in How Disease was brought to his notice the Hospital one day, all at once he began to drink water in enormous quantities and complained that he could not satisfy his thirst. He passed urine also frequently. On examining his Condition of Patient at the time of Consultation water it was found loaded with sugar with specific gravity of 1047. 5 per cent sugar was then estimated. Gerhardt's reaction was also present. He was then put entirely on milk diet and sugar entirely withdrawn. There was also a trace of albumen in the urine but no casts. Gradually his condition improved and after two months the sugar and albumen had entirely disappeared. The Spleen was also reduced in size and he put on 7 lbs in weight. When he left the Hospital he could take his usual diet without much sugar in the urine.

Examination of Urine:

Quantity in 24 hours

Reaction

Physical Properties

Specific Gravity

Albumen

Sugar Total p.c.

Gerhardt's Test

Microscopic

Examination of Blood

Progress

Result

Complications

Post Mortem

Name and Sex R.O. male ~~Private or~~ Hospital Patient
 Caste Hindu.
 Occupation Labourer Age 26.
 Weight at the time of Consultation 98 lbs.
 Duration of the Disease Over six months.
 Family History Parents dead. No other member in the family.
 No history of Diabetes could be found.

Past History of the Patient The man belonged to a malarious place and used to get fever every year during the rains. His Spleen was enlarged and appetite good. This he said went on for the last 3 years. After the last attack he suffered from excessive thirst and became so weak that although fever had left him he was unable to do any sort of work. His friends therefore sent him to the Hospital. On admission he looked very much emaciated and Spleen occupied greater part of his abdomen. He was passing large quantities of urine and on examination 6.5 % sugar was found. He was also very costive. Quinine with magnesia gave him relief and after two month's treatment his Spleen was reduced to about half the size and sugar entirely disappeared. His weight was 114 lbs when he left the Hospital.

How Disease was brought to his notice work.

Condition of Patient at the time of Consultation

Examination of Urine:

Quantity in 24 hours
 Reaction
 Physical Properties
 Specific Gravity
 Albumen a trace
 Sugar Total 60 grammes, 6.5p.c. in the morning specimen
 Gerhard's Test negative. on usual diet.
 Microscopic

Examination of Blood

Progress

Result

Complications

Post Mortem

Name and Sex	S. male	Private Hospital Patient
Caste	Madrasi Christian.	
Occupation	Cook	Age 46.
Weight at the time of Consultation	8 stones 10 lbs.	
Duration of the Disease	Five years	
Family History	Good.	

Past History of the Patient Has been in the habit of drinking. Had no Syphilis or any other serious disease as far as he remembered. His present illness came on five years ago with thirst and frequent micturition. For the last three years he has had a patch of persistent Eczema on the back for which he was under treatment in a hospital, and it was then that sugar was noticed in the urine.

How Disease was brought to his notice

Condition of Patient at the time of Consultation

When I saw him he had the look of a dissipated old man and complained of sleeplessness. Knee jerks were absent and he had no inclination to do his work. He became short of breath after any simple exertion. His radial and temporal arteries were distinctly rigid. His Liver was tender and slightly enlarged. The Spleen was enlarged also. Pulse was small, weak, but fairly regular. Bowels costive and teeth gone, and there was smell of Acetone in the breath.

Examination of Urine:

Quantity in 24 hours	70 ozs.
Reaction	acid.
Physical Properties	colourless fluid with smell of Aceone.
Specific Gravity	1035
Albumen	a trace.
Sugar daily	Total 60 grammes, 3 p.c. in the specimen on usual diet.
Gerhardt's Test	Positive.
Microscopic	No casts.

Examination of Blood Reduction tests with Methyline Blue.

Progress The man stayed in the hospital for two months. Opium Jambul and special diets had no influence over his

Result case and he remained very much in the same condition. His people then took him away to some other place.

Complications

Post Mortem

Name and Sex S.O. male ~~Private~~ Hospital Patient
 Caste Hindu
 X Occupation ~~Ward-~~
 ~~Man~~servant Age 22.
 Weight at the time of Consultation 135 lbs.
 Duration of the Disease five days
 Family History Good.

Past History of the Patient Fond of drink. The man was a noted drinker and used to help himself to Hospital Ether and Rectified Spirits. One night he mistook the bottle of Sulphuric Acid for Rectified Spirit and poisoned himself.

How Disease was brought to his notice

Condition of Patient at the time of Consultation The man drunk concentrated Sulphuric Acid by mistake. Had violent pains in the mouth and throat, hoarse voice and vomited blood. He was unable to swallow anything. His urine had a specific gravity of 1034 and smelt of Acetone, but there was no sugar, and it gave wine red reaction with Fe cl 3. Four days after the patient was able to swallow and the reaction disappeared.

Examination of Urine:

Quantity in 24 hours	30 ozs.
Reaction	acid.
Physical Properties	Dark in colour and smelt of Acetone.
Specific Gravity	1034
Albumen	none
Sugar	none
Total	p.c.
Gerhardt's Test	Wine red colour with Fe cl 3 on account
Microscopic	starvation.

Examination of Blood

Progress

Result In course of time the man made a good recovery.

Complications

Post Mortem

Name and Sex S.F. male ~~Private~~ Hospital Patient
 Caste Christian.
 Occupation Com.Agent Age 54.
 Weight at the time of Consultation 6 stones 3 lbs.
 Duration of the Disease One year.
 Family History Good.

Past History of the Patient had no other serious illness.
 Present illness started suddenly by sharp shooting pain in the stomach which brought on a fit of vomiting. This was about a year ago. These attacks continued and he noticed that he was rapidly losing flesh. This loss of flesh, pains and excessive thirst made him come to the Hospital
 How Disease was brought to his notice where he was treated for Diabetes.

Condition of Patient at the time of Consultation
 Thin, miserable looking man.
 complained of excessive thirst, frequency of micturition, voracious appetite, extreme weakness and pain in the abdomen, especially in the Epigastric region, and back, There was distinct smell of Acetone from his mouth and the stools he passed were fatty.

Examination of Urine:

Quantity in 24 hours	86 ozs.
Reaction	acid.
Physical Properties	Greenish fluid with distinct smell of Acetone.
Specific Gravity	1047.
Albumen	Present.
Sugar daily	Total 258 grammes, 10 p.c. in the morning specimen after usual diet.
Gerhardt's Test	Positive.
Microscopic	No casts.

Examination of Blood

Progress From the beginning no hope of recovery was entertained and the man died of Diabetic coma ten days after his admission. Salts and carbohydrates did him no good.

Result

Complications On post mortem examination there were signs of extreme emaciation all round. Liver was small in size and atrophied; Spleen was small and fragile. Parenchyma of the Pancreas was totally destroyed, and the ducts stopped with Calculi. It weighed only an ounce.

Post Mortem

Name and Sex	S.S. male	Private Hospital Patient
Caste	Hindu Sikh.	
Occupation	Contractor	Age 49.
Weight at the time of Consultation	11 stones 1 lb.	
Duration of the Disease	Two years.	
Family History	good.	

Past History of the Patient had repeated attacks of Malarial fevers during the last 14 years. Has had Dysentery also several times. Five years ago had a mild attack of Cholera also. For the last two years he has been getting gradually weaker and worse.

How Disease was brought to his notice Came to the Hospital in a broken-down condition, and on examination of his urine glucose was found.

Condition of Patient at the time of Consultation

Anaemic and cachectic looking.
 Fever 101 degrees F. in the morning. Pulse quick and regular. Spleen enlarged. Bowels irregular and stools offensive, but not fatty. Lungs normal. Unable to walk on account of weakness. Has lost good deal of flesh. He used to weigh over 14 stones. No other neurotic symptoms.

Examination of Urine:

Quantity in 24 hours	42 ozs.
Reaction	acid.
Physical Properties	High coloured urine with Urates but no Acetone.
Specific Gravity	1035.
Albumen	a trace.
Sugar	daily Total 17 grammes, 2 p.c. on usual diet.
Gerhardt's Test	negative.
Microscopic	no casts.

Examination of Blood Malarial parasites and increase of white cells.

Progress He remained with me for about two months and with Arsenic and Quinine his condition improved.

Result Afterwards I sent him to his native place for change. Sugar still remained in his urine when he left me.

Complications

Post Mortem

Name and Sex T. female ~~Private~~ or Hospital Patient
 Caste Mahomedan.
 Occupation Married Age 53.
 Weight at the time of Consultation 8 stones 8 lbs.
 Duration of the Disease Seven months.

Family History Mother died of Carbuncle in the neck. Had eight children, 6 of which are alive and healthy, two died in infancy, one from small pox and one from measles.

Past History of the Patient Had no serious illness until seven months ago when she began to have haemorrhage from the Vagina, and gradually became thinner. The discharge has continued more or less since then, and she has lost over a stone of flesh. The discharge did not give her much pain. For the last three months she has been troubled with thirst and

How Disease was brought to his notice Polyuria. On examining the urine, sugar was found in it in large quantity.

Condition of Patient at the time of Consultation

Looked anaemic and very much reduced and from the nature of the discharge it was clear that she was suffering from ~~W~~carcinoma of the Womb. She was thirsty and couldn't sleep at night, partly on account of frequency of micturition and partly on account of abdominal pain. Teeth were mostly gone and there was smell of Acetone also in the breath. Radial and Temporal arteries were thickened. She had also persistent eczema in the right leg and ~~P~~uritis Vulvae.

Examination of Urine:

Quantity in 24 hours	90 ozs.
Reaction	acid.
Physical Properties	Pale straw coloured mixed with Vaginal discharge.
Specific Gravity	1040.
Albumen	a trace.
Sugar daily Total	85 grammes, 6 p.c. in the specimen after
Gerhardt's Test	negative. usual food.
Microscopic	red and white cells. No casts.

Examination of Blood Reduction test with Methyline Blue.

Progress On account of the complicated nature of the case, improvement was out of the question, and the patient

Result died two years after from sheer exhaustion.

Complications

Post Mortem

Name and Sex	Wali Dad	male	Private or Hospital Patient
Caste	Mahomedan.		
Occupation	Tailor.	Age	52.
Weight at the time of Consultation		10 stones	11 lbs.
Duration of the Disease		One year.	
Family History		Good.	

Past History of the Patient has been costive for years and his Liver has frequently given him trouble. Is also subject to Dyspeptic attacks. has had usual attacks of Malarial fever.

How Disease was brought to his notice his present illness began a year ago by excessive thirst and frequent micturition, when he was told by one of the hospital doctors that he was passing sugar in the urine. He has also lost flesh lately.

Condition of Patient at the time of Consultation

When I saw him he looked anaemic but well nourished. His tongue was dry and fissured and raw ham coloured. Chest emphysematous and heart sounds distant and weak. His arteries showed signs of degeneration, and there were varicose veins in the left leg. Had also Sciatic pains in the legs.

Examination of Urine:

Quantity in 24 hours	96 ozs.
Reaction	acid.
Physical Properties	pale straw coloured w.o. Acetone
Specific Gravity	1035. smell.
Albumen	a trace.
Sugar daily	Total 120 grammes, 6 p.c. in the specimen on
Gerhardt's Test	negative. usual diet.
Microscopic	

Examination of Blood

Progress	He was put on milk diet and Jambul, and did very well.
Result	Sugar was reduced to less than 2%, and urine to 50 ozs, in the course of a month. I saw him last year again after an interval of over two years, and he was getting on, and still using
Complications	Jambul powders when out of sorts.

Post Mortem

male
 Name and Sex W.D. ~~Butcher~~ ~~Private~~ or Hospital Patient
 Caste Mahomedan
 Occupation Butcher. Age 40.
 Weight at the time of Consultation 7 stones 10 lbs.
 Duration of the Disease Three years.
 Family History Consumption in the family. No history of Diabetes.

Past History of the Patient has had several attacks of Malarial fever and been healthy otherwise. Three years ago he caught cold which became chronic, and since then has never been free from it. has been sweating at night also. While in the Hospital for Bronchitis, sugar was discovered in his urine. Before he caught this cold he used to weigh over
 How Disease was brought to his notice 10 stones.

Condition of Patient at the time of Consultation When I saw him he was thin and very much emaciated and in the last stage of consumption. His breath was offensive and sputa green and purulent. Chest on both sides was flattened. Night sweats were very troublesome and appetite completely gone.

Examination of Urine:

Quantity in 24 hours 60 pzs.
 Reaction acid.
 Physical Properties Thick dark coloured with smell of
 Specific Gravity 1045. Acetone.
 Albumen thick cloud.
 Sugar daily Total 165 grammes, 10c. per cent with specimen
 Gerhardt's Test on usual diet.
 Microscopic

Examination of Blood

Progress A month after the man died and on post mortem
 Result examination both the lungs were found to be
 tuberculous and riddled with cavities. heart,
 Liver, Pancreas and Kidneys all had atrophic look.
 Complications Spleen was enlarged.

Post Mortem

Name and Sex W.S. male ~~Private~~ Hospital Patient
 Caste Mahomedan.
 Occupation Writer. Age 41.
 Weight at the time of Consultation 7 stones 13 lbs.
 Duration of the Disease One month.
 Family History Father healthy, mother subject to fits. Two brothers and three sisters quite healthy.

Past History of the Patient Present illness began a month ago with loss of power in both legs. At the same time he began to notice some weakness in both the upper limbs. This got gradually worse, more so in the lower limbs. Had no other illness previously as far as he remembers.

How Disease was brought to his notice

Sugar was detected in the urine while in the Hospital.

Condition of Patient at the time of Consultation His chief complaint is loss of power in the legs and arms on account of which he is unable to do any kind of work. His gait is of a waddling character and all muscle jerks are weakened. He cannot stand steady with eyes open and has considerable difficulty in raising himself up to standing or even sitting posture. Hand grip very feeble. There is not much wasting of muscles so far. Sensation to heat and pain normal. Speech somewhat affected being slow and scanty. Heart and Lungs normal.

Examination of Urine:

Quantity in 24 hours	52 ozs.
Reaction	acid.
Physical Properties	Pale straw coloured w.o. Acetone smell.
Specific Gravity	1029.
Albumen	absent.
Sugar daily Total	10 grammes, 1.5 p.c. after usual meal.
Gerhardt's Test	absent.
Microscopic	no casts.

Examination of Blood

Progress The interest of the case is in the fact that sugar was present with neuritis. Arsenic, Iron and
 Result Strychnine improved his condition and with general improvement sugar also diminished. Glucose was
 Complications only secondary in this case.

Post Mortem

Name and Sex Wife of a cook. ~~Private~~ or Hospital Patient
 Caste Mahomedan.
 Occupation Married Age 52.
 Weight at the time of Consultation 14 stones.
 Duration of the Disease One Year.
 Family History Obesity in the family. Gave birth to three children. They are alive and grown up.

Past History of the Patient Never had any serious illness and has always been hearty and hale, given to rather rich and starchy food. One year ago she suddenly felt very thirsty and weak. Pain in the legs became so great that she could not walk.

How Disease was brought to his notice On consulting a doctor she was told that she was passing sugar in the urine. Her menopause came five years ago

Condition of Patient at the time of Consultation Very stout but anaemic looking person. Tongue fairly clean. Teeth some gone and some loose. No Acetone smell in the breath. Complained of insomnia and headaches and extreme weakness. Heart sounds weak and distant. Was not able to eat much now. Bowels costive. No signs of skin eruptions. No knee jerks. Varicose veins in both legs.

Examination of Urine:

Quantity in 24 hours	54 ozs.
Reaction	acid.
Physical Properties	Pale straw coloured.
Specific Gravity	1030.
Albumen	a trace.
Sugar dailyTotal	36 grammes, 2.5 per cent on ordinary meal.
Gerhardt's Test	negative.
Microscopic	nothing special.

Examination of Blood

Progress Opium relieved her symptoms and with general improvement sugar was also reduced in quantity
 Result although there were still traces of pathological sugar when I examined her last.

Complications

Post Mortem

X
Private.

Name and Sex Mr. A. male ~~Private or Hospital~~ Patient

Caste Mahomedan

Occupation Law Age 39.

Weight at the time of Consultation 12 stones 13 lbs.

Duration of the Disease One year.

Family History Good. No History of Diabetes.

Past History of the Patient Has always been very studious and fond of mental work without taking sufficient exercise. Has had several attacks of Malarial fever of usual kind. Steady in his habits and not given to excesses. He had an attack of acute thirst a year ago which gradually passed off. Of late he has become weak, and has no inclination to do his work with energy.

How Disease was brought to his notice

Condition of Patient at the time of Consultation

Looked pale and anaemic but not emaciated. Mouth alright and no smell of Acetone. Had a tired feeling and slept somewhat badly. His appetite was usual, not excessive and thirst did not trouble him much. His chief complaint was weakness and pain in the calf muscles. Heart sounds weak. No skin complaint, and Lungs were alright.

Examination of Urine:

Quantity in 24 hours	50 ozs.
Reaction	acid.
Physical Properties	Pale straw coloured w.o. Acetone
Specific Gravity	1035. smell.
Albumen	absent.
Sugar daily Total	40 grammes, 3.5 p.c. in the specimen after
Gerhardt's Test	<i>negative</i> ordinary food.
Microscopic	<i>no casts</i>

Examination of Blood

X Progress On restricted diet sugar disappeared entirely and

Result with the help of Syzyguin Jambularum, his power of assimilating carbohydrates gradually improved. After 14 years I happened to see him again and he was attending to his work, quite cheerful and without any complaint in particular.

Complications Sugar in pathological quantity he still had in the urine.

Post Mortem

Name and Sex Mt.A. female ~~Private or Hospital~~ ^{Private} Patient
 Caste hindu.
 Occupation Married Age 50.
 Weight at the time of Consultation 6 stones 1 lb.
 Duration of the Disease 12 years.
 Family History rather died of Diabetes and mother during confinement.

Past History of the Patient mas had no serious illness and has always been healthy. Mother of two children who are also healthy. Present illness came on about 12 years ago with thirst and passing a large quantity of urine. Since then she has wasted greatly.

How Disease was brought to his notice On examination by a doctor she was told that there was sugar in the urine. She had no monthlies since then.

Condition of Patient at the time of Consultation

Looked thin and emaciated. Skin dry and harsh. Lips and mouth dry. Tongue coated and dry. Breath sweet smelling. Extremities cold. Abdomen doughy. Calf muscles tender. Knee jerks diminished. Plantar reflexes, flexor and diminished. Vision defective. Right pupil contracted with light and accommodation, but left one did not react to light. Retinae presented same small pale haemorrhagic patches. Complained of pain in the stomach and back.

Examination of Urine:

Quantity in 24 hours	96 ozs.
Reaction	acid.
Physical Properties	Colourless fluid with smell of Acetone.
Specific Gravity	1034.
Albumen	none.
Sugar	daily Total 135 grammes, 6 p.c. in the specimen after
Gerhardt's Test	Positive. ordinary meal.
Microscopic	no casts.

Examination of Blood

Progress	On strict diet the sugar came down to 4% but her condition showed no improvement, and after about a month she died of coma.. Drugs gave her no relief.
Result	

Complications

Post Mortem

Name and Sex	A.A.K.	male	Private or Hospital Patient
Caste	Mahomedan		
Occupation	Survey.	Age	42.
Weight at the time of Consultation	11 stones 11 lbs.		
Duration of the Disease	Six months.		
Family History	Good.		

Past History of the Patient Has been a hard smoker and is inclined to be gouty. Four years ago he had an attack of Influenza which affected his lungs and since then he has become Asthmatic. Six months ago an ulcer broke out on the leg, and as it did not heal, a doctor on examination of the urine found sugar.

How Disease was brought to his notice

Condition of Patient at the time of Consultation Robust looking man. Two teeth carious but the rest normal. Thirst not very excessive. Bowels inclined to be irregular. Sexual power has become weak. Heart sounds weak and distant. Does not sleep well. Ulcer on the left leg has been there for nearly six months and is very obstinate. Knee jerks normal and eyesight good. Temporal and radial arteries somewhat rigid.

Examination of Urine:

Quantity in 24 hours	78 ozs.
Reaction	acid.
Physical Properties	no acetone.
Specific Gravity	1035.
Albumen	Present in thick cloud.
Sugar	Total 60 grammes, 6 p.c. in the specimen after usual food.
Gerhardt's Test	negative.
Microscopic	some granulated tube casts.

Examination of Blood

Progress	While under treatment one day he suddenly lost his sight and had severe pains in the head. On opthalmoscopic examination Haemorrhage ce Retinitis was noticed. The vision gradually returned to the previous state, but there was decided decrease in the excretion of sugar, although the quantity of urine remained just the same. Diminution of sugar was probably due to the cirrhotic state of the Kidneys.
Result	
Complications	

Post Mortem

Name and Sex A.B. male Private or ~~Hospital~~-Patient
 Caste Mahomedan.
 Occupation Clerk. Age 47.
 Weight at the time of Consultation 8 stones 12 lbs.
 Duration of the Disease Five years.
 Family History His father was also a clerk and had died of Diabetes. The rest of the family is alright with the exception of the youngest brother who died of consumption many years ago.

Past History of the Patient Five years ago he had to consult a doctor on account of excessive thirst and insomnia and he was told that he had sugar in the urine. He was put on special diet but he could not keep to it. He has been having pains in the back and cramps in the legs for the last two years. Thirst also has been troubling him and he has been losing weight steadily.

How Disease was brought to his notice

Condition of Patient at the time of Consultation

A feeling of lassitude. Thirst is considerable and he passes a good deal of urine. Insomnia and irritability of temper present. 5 teeth short in the mouth and some are loose.. Pain in the legs troublesome. Looked emaciated and weak. Bowels regular.

Examination of Urine:

Quantity in 24 hours	86 ozs.
Reaction	acid.
Physical Properties	pale straw coloured w.o. Acetone smell.
Specific Gravity	1038
Albumen	none.
Sugar dailyTotal	94 grammes, xx 5.5 % after ordinary diet.
Gerhardt's Test	negative.
Microscopic	no casts.

Examination of Blood

Progress With Opium treatment his condition improved. The urine became 48 ozs., sp.gr. 1028 and sugar was reduced to 36 grammes a day within a month. He was then sent out on leave for change. I saw him five years after. He was still in the service and doing his work to the satisfaction of his masters. He was taking Opium regularly every day.

Result

Complications

Post Mortem

Name and Sex A.B. female Private or ~~Hospital~~ Patient
 Caste Hindu.
 Occupation Married. Age 42.
 Weight at the time of Consultation 102 lbs.
 Duration of the Disease Seven years.

Family History Parents dead and said to have been healthy.
 Younger brother died of consumption; another sister
 used to have hysterical fits in younger days, but
 they ceased after marriage and birth of a child.

Past History of the Patient Before onset of the disease she had
 always enjoyed good health. Had no difficulty at
 the birth of her first two children. Third birth
 was face presentation and gave her some trouble.
 She was then 35 years old, and attributed her
 disease to this birth.

How Disease was brought to his notice Gradual emaciation and total absence
 of strength, getting weaker and weaker every day,
 made her consult a doctor when sugar was seen in
 her urine.

Condition of Patient at the time of Consultation Weak, emaciated and pale
 as if there were no blood in her. Extremely
 worried about her children. Complained of pain
 and cramps in the leg. Sleep very bad and
 appetite also bad. Thirst was not very pressing
 but micturition frequent. Smell of Acetone from the
 breath.

Examination of Urine:

Quantity in 24 hours	112 ozs.
Reaction	acid.
Physical Properties	Clear watery fluid with greenish tinge and sweet odour.
Specific Gravity	1035.
Albumen	none.
Sugar dailyTotal	200 grammes, 7p.c. on the ordinary food.
Gerhardt's Test	Positive.
Microscopic	No casts.

Examination of Blood

Progress Gradually went down and died three years after from
 a carbuncle. Opium, Jambul and Arsenic had no
 Result effect in this case.

Complications

Post Mortem

Name and Sex A.O. female Private or ~~Hospital~~ Patient
 Caste hindu
 Occupation Married. Age 31.
 Weight at the time of Consultation 7 stones $4\frac{1}{2}$ lbs.
 Duration of the Disease 16 months.
 Family History Father had died of Diabetes. Mother still alive and well.

Past History of the Patient The lady has always been neurotic and gets excited very soon. 16 months ago she had a sudden attack of thirst when she was suckling her baby and this has continued ever since. On examination of her urine, glucose was found.

How Disease was brought to his notice

Condition of Patient at the time of Consultation Complained of thirst and aching pains in the legs which are worse at night and on account of which she is not able to sleep. She also suffers from palpitation. She also complained of her sight not being so good as it used to be. Bowels costive and skin dry. Teeth alright. Monthly periods have become irregular, and sometimes there is Dysmenorrhoea.

Examination of Urine:

Quantity in 24 hours 58 ozs.
 Reaction acid.
 Physical Properties natural colour w.o. Acetone smell.
 Specific Gravity 1046.
 Albumen none.
 Sugar daily Total 110 grammes, 8 p.c. in the morning specimen
 Gerhard's Test absent. on usual diet.
 Microscopic no tube casts.

Examination of Blood Diminution of red cells and increase of Leucocytes.

Progress Jambul powders did her good for some time and Opium also, but the effects were not lasting and her condition remained much about the same.
 Result Two years after she had a carbuncle and died.

Complications

Post Mortem

Name and Sex A.C.M. male Private or ~~Hospital~~ Patient

Caste Hindu

Occupation Teacher Age 46.

Weight at the time of Consultation 165 lbs

Duration of the Disease Two years.

Family History Belongs to a highly educated family. Father died of Diabetes, mother corpulent. One sister used to have hysterical fits in younger days, youngest brother is eccentric.

Past History of the Patient Has always been a total abstainer but fond of good eating. Had first attack of gout ten years ago, and since then has been subject to gouty attacks occasionally. For the last two years he has been passing sugar in the urine, and as his father had died of Diabetes he came to consult me.

How Disease was brought to his notice

On urine testing by his medical adviser he came to know of the disease.

Condition of Patient at the time of Consultation

Intelligent and refined looking man. Teeth alright, appetite good, sleep not quite what it ought to be. Married but sexual appetite very much impaired. No other symptom of Diabetes except sugar in the urine. Temper irritable and anger made him worse.

Examination of Urine:

Quantity in 24 hours	45 ozs.
Reaction	acid.
Physical Properties	No smell of Acetone.
Specific Gravity	1029.
Albumen	absent
Sugardaily Total	30 grammes, px 3.2% in the specimen
Gerhardt's Test	negative after meal.
Microscopic	no sediment.

Examination of Blood

Progress I told him that his condition was not serious, and persuaded him to take more exercise in the fresh air.

Result I met him about two years ago after about 8 years. His urine still had traces of sugar, but there were no other symptoms of Diabetes and the man was in fairly good health. Gouty diathesis he had still.

Complications Gambul powder was freely used by him and he reported that it did him good, as with its help on the same diet he passed less urine and slept better.

Post Mortem

Name and Sex A.D. female Private or ~~Hospital~~ Patient
 Caste Hindu.
 Occupation Married. Age 20.
 Weight at the time of Consultation 9 stones 5 lbs
 Duration of the Disease 3 years.
 Family History Neurotic.

Past History of the Patient At the age of 16 she had hysterical attacks just about a year after her marriage. After this she had repeated attacks of insomnia, and during these she noticed that she was passing large quantities of colourless urine. She had no other serious illness except thirst.

How Disease was brought to his notice I was consulted about the hysterical fits and insomnia, and on examination of the urine I found a trace of sugar. She appeared to me to be in good health otherwise, well fed and well nourished.
 Condition of Patient at the time of Consultation Bowels regular and no thirst to speak of. No other neurotic symptoms.

Examination of Urine:

Quantity in 24 hours	70 ozs.
Reaction	acid.
Physical Properties	colourless fluid.
Specific Gravity	1028
Albumen	none.
Sugar daily Total	35 grammes, px. 2.2% after usual food.
Gerhardt's Test	none.
Microscopic	

Examination of Blood

Progress The lady afterwards got into family way and with the birth of a babe all those symptoms disappeared.
 Result I had an occasion to see her after 5 years again. She was then the mother of two children and in good health.
 Complications

Post Mortem

Name and Sex A.D.M. male Private or ~~Hospital~~ Patient
 Caste Mahomedan.
 Occupation Public works Age 48.
 Weight at the time of Consultation 9 stones 8 lbs.
 Duration of the Disease One year.
 Family History good.

Past History of the Patient had an attack of Rheumatic fever several years ago, after which he recovered entirely and had no more trouble on this account. Has had several attacks of Malarial fever, and his Spleen for the last five years has always been larger than usual. Last year he had a chill which confined him to bed. Shortly after this he felt very weak and noticed that he was drinking more water than usual and passing urine frequently. He consulted a doctor and came to know that there was sugar in the urine. He is a total abstainer and not given to excess. Acute symptoms of glycosuria subsided after about 2 months, and he thought he was alright again, but five weeks ago he got an attack of Sciatica with pain from hip to foot, more on the left than on the right side, and this pain which is also in the back has so far not subsided. He came to me on this account. When I saw him he looked pale and somewhat emaciated. His chest was emphysematous and arteries showed fibroid changes. Cardiac dullness was diminished and second sound accentuated at the base. There was good deal of tenderness over the left leg. Temp. was normal. No Acetone in breath.

How Disease was brought to his notice

Condition of Patient at the time of Consultation

Examination of Urine: Teeth ~~xxx~~ somewhat decayed.

Quantity in 24 hours	50 ozs.
Reaction	acid.
Physical Properties	pale straw coloured w.o. Acetone smell
Specific Gravity	1030.
Albumen	a trace.
Sugar daily Total	40 grammes, 4 p.c. in the specimen on
Gerhardt's Test	negative. usual diet.
Microscopic	

Examination of Blood

Progress With Opium his symptoms were relieved and sugar also diminished, but it remained in sufficient quantity to give reaction. Sciatica is one of the most common complications of Diabetes.

Result

Complications

Post Mortem

Name and Sex A.H. male Private or ~~Hospital~~ Patient
 Caste Mahomedan
 Occupation Law Age 45.
 Weight at the time of Consultation 13 stones 9 lbs.
 Duration of the Disease 7 years.
 Family History comes of a neurotic stock. One brother also is passing sugar in the urine.

Past History of the Patient has always been sensitive, bad tempered and somewhat eccentric. At the age of 23 he lost his wife, which incident had a very depressing effect on his mind. Shortly after he had a crop of boils. He was then working for his law examination. After this he noticed that he could not sleep well at night and was getting attacks of insomnia. At the age of 33 he had an attack of gout and since then his joints and fingers have become swollen and tender and the great toe is especially enlarged. At the age of 38 he got married again, but found that his sexual power was very weak, and on consulting a doctor he came to know that there was sugar in the urine. At present he has no serious symptoms of Diabetes. Thirst is not bad, sugar is only one per cent, but when he excites himself or gets a fit of anger it goes up to 2 or even 3 per cent. His weight for the last five years has been stationary, and he goes about and does all his work. His chief complaint now is loss of sexual power, and for this he has been taking Iron and Strychnine.

Examination of Urine:

Quantity in 24 hours	48 ozs.
Reaction	acid.
Physical Properties	Pale straw coloured. No Acetone smell.
Specific Gravity	1029.
Albumen	absent.
Sugar Total	not taken. 1 p.c. after usual food.
Gerhardt's Test	negative.
Microscopic	no casts.

Examination of Blood

Progress Nine years after I happened to meet him again. He was then father of four children and quite happy with the state of his health.

Result Arsenic and Strychnine were given to him with benefit.

Complications There was still sugar in pathological quantity in the urine.

Post Mortem

Name and Sex A.J. male Private or ~~Hospital~~ Patient
 Caste Mahomedan.
 Occupation Medl. Age 52.
 Weight at the time of Consultation 15 stones 8 lbs.
 Duration of the Disease 16 years.
 Family History Some members of the family have been eccentric, and very irritable in temper.

Past History of the Patient The patient has always been of sensitive nature, and stout as far back as he could remember. In his student days he had worked hard, and once suffered from a crop of boils. He also remembers having attacks of insomnia in those days. He had first attack of gout at the age of 33, when the great toe of his right foot was swollen. Three years after he one day got into a violent fit of anger, and immediately after had a severe attack of thirst. On examining the urine he found *glucose* in it.

How Disease was brought to his notice
 Condition of Patient at the time of Consultation Looked strong and full-blooded. Not very active in his movements on account of obesity. Had Eczema over the legs and Dorsum of the right foot. Thirst was not great. Some of the teeth were gone and some carious. Bowels regular, heart fatty, lungs normal. Emotional disturbances always made him worse.

Examination of Urine:

Quantity in 24 hours	65 ozs.
Reaction	acid.
Physical Properties	Pale straw coloured w.o. Acetone
Specific Gravity	1030.
Albumen	absent.
Sugar daily	Total 46 grammes, 2.4p.c. after the usual meal.
Gerhardt's Test	negative.
Microscopic	no casts.

Examination of Blood

Progress With care in diet and systematic exercise he is still alive (ten years after I saw him first) and doing useful work in his place. Opium was given to him to soothe his mind, which I understand he still takes.

Result

Complications

Post Mortem

Name and Sex A.A. male Private or Hospital Patient
 Caste Mahomedan.
 Occupation Assistant Surgeon Age 45
 Weight at the time of Consultation 171 lbs.
 Duration of the Disease Two years.
 Family History Belongs to a family of stout, neurotic people; anything more about their health he does not know. As far as he knows they were healthy. They are all dead now.
 Past History of the Patient Has always lived in easy circumstances. Had two wives and at one time used to indulge in sexual excesses. Now, for want of sexual appetite is powerless.

How Disease was brought to his notice Thirst and frequent micturition attracted his attention and on examining the urine he found sugar in it.

Condition of Patient at the time of Consultation The patient had the look of a well fed man. His statement was that for the last two years he had suffered from Diabetes Mellitus. He was advised to take Thyroid Extract tabloids as a medicine, which he did. To his surprise sugar disappeared from the urine but polyuria remained as it was. When I saw him there was certainly no trace of sugar.

Examination of Urine:

Quantity in 24 hours	96 ozs.
Reaction	acid.
Physical Properties	Clear watery fluid without colour
Specific Gravity	1008. or smell.
Albumen	none.
Sugar none. Total	p.c.
Gerhardt's Test	negative.
Microscopic	no sediment.

Examination of Blood

Progress Diabetes Insipidus continued for over a year. When he got transferred and I lost sight of him. Opium
 Result did him no good. Even on ordinary diet, sugar did not re-appear in the urine.

Complications

Post Mortem

Name and Sex A.M.B. male Private or ~~Hospital~~ Patient
 Caste Hindu
 Occupation Broker Age 44
 Weight at the time of Consultation 9 stones 8 lbs.
 Duration of the Disease 4 years.
 Family History Belongs to a diabetic and neuropathic family. Two uncles died of Diabetes. Father was of religious nature and used to have melancholic attacks.

Past History of the Patient has been subject to dyspeptic attacks throughout his life. Four years ago he had some worry about his business and became sleepless. His appetite was lost, also his weight. On consulting a doctor he came to know that there was sugar in the urine.

How Disease was brought to his notice

Condition of Patient at the time of Consultation General condition not bad. Complained of sleeplessness and loss of appetite. Thirst was not excessive and micturition did not trouble him much. There was no smell of Acetone in the breath. Subject to uncontrollable fits of anger and worry.

Examination of Urine:

Quantity in 24 hours	48 ozs.
Reaction	acid.
Physical Properties	Pale straw coloured w.o. Acetone
Specific Gravity	1030. smell.
Albumen	absent.
Sugar daily Total	35 grammes, 2.5p.c. in specimen after usual
Gerhardt's Test	negative. meal.
Microscopic	no casts.

Examination of Blood

Progress	It was noticed in this case that carbohydrates had not so much influence over the glycosuria as the psychological irritation. Want of sleep, a fit of anger, anxiety and worry always gave reaction with for sugar without any carbohydrate at all. Otherwise he could assimilate 8 ozs of bread without giving any reaction. Opium in this case did lot of good in soothing his mind and producing sleep.
Result	
Complications	

Post Mortem

Name and Sex A.P. male Private or ~~Hospital~~ Patient
 Caste Hindu.
 Occupation Law. Age 41.
 Weight at the time of Consultation 7 stones 2 lbs.
 Duration of the Disease Six months.
 Family History Father died of Diabetes.

Past History of the Patient Has always been in good health until six months ago when he had an attack of thirst and passed more water than normal. On consulting a doctor he came to know that he was passing sugar in the urine. He attributes this to the mental work and lack of exercise. But now, having got the disease and knowing that his father died from it How Disease was brought to his notice is extremely anxious to get himself cured.

Condition of Patient at the time of Consultation When I saw him he looked wasted at the chest. Complained of thirst, sleeplessness and general weakness. On account of tenderness in the calf muscles was not able to take any exercise. His teeth were alright. Tongue looked furred and dry, but no smell of Acetone from the mouth. Heart and lungs were normal. Sexual power was impaired.

Examination of Urine:

Quantity in 24 hours	143 ozs.
Reaction	acid.
Physical Properties	colourless watery fluid w.o. Acetone
Specific Gravity	1038. smell.
Albumen	a trace.
Sugar dailyTotal	280 grammes, \approx 8.5% in the specimen
Gerhardt's Test	negative. on usual diet.
Microscopic	some squam. Epithelial cells.

Examination of Blood

Progress	I put him on purely milk diet and gave him Jambul
Result	powders, and the result was most marked. The sugar went down to 3% with specific gravity of 1030, and urine to less than half in the course of six
Complications	weeks, and although he might not get rid of his sugar entirely I have no doubt that his general health will improve still more if he continues the diet prescribed for him.

Post Mortem

Private.

Name and Sex A.S. male ~~Private or Hospital~~ Patient
 Caste Mahomedan
 Occupation Contractor Age 39.
 Weight at the time of Consultation 11 stones.
 Duration of the Disease Fourteen days.
 Family History Good.

Past History of the Patient Suffers repeatedly from dyspepsia and malarial fevers for the last five years. Some 8 years ago he had also an attack of acute Pneumonia. This time he has been unwell for nearly two months, getting fever off and on, and no inclination for food. Thirst also has been troubling him for the last fortnight.
 How Disease was brought to his notice

Condition of Patient at the time of Consultation Looked pale and washed out. Spleen enlarged. No desire for food. felt thirsty and restless at night. His temperature has never been normal for the last ten days. Liver slightly enlarged. Bowels costive. Lungs and heart normal. No neurotic symptoms. Gets up at night two or three times to make water.

Examination of Urine:

Quantity in 24 hours 75 ozs.
 Reaction acid.
 Physical Properties High coloured w.o. Acetone smell.
 Specific Gravity 1037.
 Albumen none.
 Sugar daily Total 60 grammes, 4 p.c. in the specimen on
 Gerhard's Test negative. usual food.
 Microscopic no casts.

Examination of Blood Malarial parasites and large diminution of red cells, and increase in the Leucocytes.
 Progress Under Quinine and Arsenic treatment his
 Result condition improved and at the end of two months he put on two lbs of flesh. Jambul powder was also given to him.
 Complications

Post Mortem

Name and Sex A.S. male Private or ~~Hospital~~ Patient
 Caste hindu Sikh
 Occupation Contractor. Age 45.
 Weight at the time of Consultation 11 stones 4 lbs
 Duration of the Disease One month.
 Family History Good.

Past History of the Patient Never had any serious illness. A year ago he took a contract on the excavation of a new canal for making bricks, and as the work turned out to be bad, it was not approved and he lost heavily over it. This brought on an acute attack of thirst and frequent micturition, and on examination of urine it was found loaded with sugar.
 How Disease was brought to his notice

Condition of Patient at the time of Consultation

Complained of excessive thirst and sleeplessness on account of frequent micturition. Appetite good and bowels constive. Had also pains in the legs and felt totally disinclined to do any work.

Examination of Urine:

Quantity in 24 hours	168 ozs.
Reaction	acid.
Physical Properties	Pale greenish coloured fluid.
Specific Gravity	1045.
Albumen	absent.
Sugar dailyTotal	310 grammes, 8p.c. in the specimen on
Gerhardt's Test	negative. usual diet.
Microscopic	no casts.

Examination of Blood

Progress Opium in this case was pushed on and did lot of good.
 Result The acute symptoms subsided, and after a month the urine was less than half in quantity, and sugar went down to 3%. I saw him again about 5 years after, and although there was still sugar in the urine his general condition was not bad, and he was perfectly happy. He told me that he was still taking Opium pills.
 Complications

Post Mortem

Name and Sex A.W. male Private or ~~Hospital~~ Patient
 Caste hindu.
 Occupation Clerk Age 32.
 Weight at the time of Consultation 10 stones 1 lb.
 Duration of the Disease 3 years.
 Family History Belongs to neurasthenic family.

Past History of the Patient has been fond of sexual excesses. During the past five years the patient has become very nervous and insomnia made him worse. His temper has also become irritable. Three years ago he had an acute attack of thirst and shortly afterwards he noticed that his sexual power had become very weak. On consulting a doctor he came to know How Disease was brought to his notice that he was passing sugar in the urine.

Condition of Patient at the time of Consultation

Complains of extreme weakness and insomnia, and want of sexual power. Has a feeling of pain round the abdomen, and other dyspeptic symptoms, and also shooting pains in the legs after standing for a while. These pains get worse at night. Pupils respond to light. No Ataxia. Knee jerks present. Eyesight normal. Temper irritable. Bowels costive. Thirst does not trouble him so much now as it did in the beginning.

Examination of Urine:

Quantity in 24 hours	52 ozs.
Reaction	acid.
Physical Properties	Pale straw coloured.
Specific Gravity	1029.
Albumen	absent.
Sugar	Total 30 grammes, 2 p.c. on usual diet in the
Gerhardt's Test	negative. morning specimen.
Microscopic	no casts.

Examination of Blood

Progress	With Arsenic and Strychnine and improved habits, his condition improved. Aspirin gave relief to
Result	the shooting pains. Diet had very little effect, and it was noticed that his urine always contained
Complications	more sugar after a fit of anger than on any other occasion.

Post Mortem

Name and Sex Mt.B. female Private or ~~Hospital~~ Patient
 Caste Hindu.
 Occupation Married. Age 19.
 Weight at the time of Consultation 6 stones 6 lbs.
 Duration of the Disease 2 months.
 Family History Mother neurotic, father died of Diabetes.

Past History of the Patient Had no serious illness until 2 months ago, when she suddenly had an acute attack of thirst and polyuria, and she was not able to control the act of micturition. A doctor was consulted and he found a lot of sugar in the urine. The lady then came to me for treatment.

How Disease was brought to his notice

Condition of Patient at the time of Consultation Anaemic and anxious looking. very thirsty and somewhat irritable in temper. had headache and complained of sleeplessness. Monthlies were irregular. Knee jerks weak. Teeth good but gums were swollen and there was distinct smell of Acetone. Tongue was coated and dry, and apex red. There was palpitation of heart and bruit was audible over the Jugular veins.

Examination of Urine:

Quantity in 24 hours	105 ozs.
Reaction	acid.
Physical Properties	colourless watery fluid with Acetone smell.
Specific Gravity	1040.
Albumen	absent.
Sugar	daily total 170 grammes, 7 p.c. in the specimen after usual meal.
Gerhardt's Test	present
Microscopic	no casts.

Examination of Blood

Progress Neither Opium or Jambul powder were able to control the quantity of urine or percentage of sugar, and the girl died of coma after a year.

Result

Complications

Post Mortem

Name and Sex Mrs.B female Private or ~~Hospital~~ Patient
 Caste Christian.
 Occupation Married Age 52.
 Weight at the time of Consultation 7 stones 12 lbs.
 Duration of the Disease 5 years.
 Family History Father died of Asthma. No other history of neurotic disease in the family except that two of her own children died of convulsions.

Past History of the Patient has always been very sensitive and short tempered. In her younger days she used to have hysterical fits. Five years ago after the death of her youngest son she had an acute attack of thirst and passed large quantities of ~~urine~~ urine. On examining her ~~the~~ doctor found sugar in the urine. She had her menopause at the age of 45 and never had any trouble in connection with womb. Three of her children are alive and well. Her present attack commenced seven weeks ago. It began with pain in the back and right side of abdomen, and headache and sickness after food.
 How Disease was brought to his notice
 Condition of Patient at the time of Consultation
 When I saw her she looked wasted and anaemic, skin soft and not dry. Tongue raw ham colour, teeth, some gone and some loose, the gums having receded. Chest emphysematous, but no cough. Liver could be felt below the costal margin, Spleen enlarged. Abdomen otherwise normal, and no discharge from Vagina. No smell of Acetone. Eyesight failing on account of cataract formation.

Examination of Urine:

Quantity in 24 hours	79 ozs.
Reaction	acid.
Physical Properties	Pale straw coloured. No smell of Acetone.
Specific Gravity	1030.
Albumen	a trace.
Sugar daily Total	70 grammes, 4 p.c. in the specimen on usual diet.
Gerhardt's Test	negative.
Microscopic	

Examination of Blood

Progress She did very well on milk diet and Jambul powders.
 Result After a month sugar was reduced to half its total quantity, and urine to 50 ozs.

Complications

Post Mortem

Name and Sex Mt.B. female Private or ~~Hospital~~ Patient
 Caste ~~hindu~~
 Occupation Married Age 44.
 Weight at the time of Consultation 109 lbs.
 Duration of the Disease a year.
 Family History Father died of Cholera, mother of Diabetes. Married but no children. Has one sister who is healthy.

Past History of the Patient Neurotic, and has had several hysterical attacks in her younger days. Had no other serious illness. Present illness came on rather suddenly after a fit of anger. She had a quarrel in the family, and soon after her people noticed that she was drinking large quantity of water, and was getting thinner. On consulting a doctor they came

How Disease was brought to his notice to know that her urine contained sugar.

Condition of Patient at the time of Consultation When I saw her she looked to me, a thin, wiry and neurotic person. She complained of sleeplessness and thirst which became worse after any row in the house. On account of her being short-tempered she had plenty of trouble in the house, although there were no children.

Examination of Urine:

Quantity in 24 hours	42 ozs.
Reaction	acid.
Physical Properties	Pale straw coloured without any smell of Acetone.
Specific Gravity	1029.
Albumen	none.
Sugar	Total 24 grammes, 2.2 p.c. in the specimen on
Gerhardt's Test	negative. usual diet.
Microscopic	

Examination of Blood

Progress The interesting feature of this case was that emotions had more influence on the excretion of sugar in the

Result urine than food. This was a clear case of Neurogenous Diabetes. With Opium her condition improved and within three months she was well again, being able to

Complications sleep well and eat well. The difficulty was in controlling her temper.

Post Mortem

Name and Sex	B .	Private or Hospital Patient
Caste	Hindu.	
Occupation	Broker.	Age 54.
Weight at the time of Consultation		13 stones 3 lbs.
Duration of the Disease		4 months.
Family History		Good.

Past History of the Patient Had no serious illness previously. Four months ago he began to have thirst and increased micturition, and on consulting a doctor he told him that he was passing sugar in the urine. He attributes his present complaint to money trouble and consequent worry which he had undergone lately.

How Disease was brought to his notice

Condition of Patient at the time of Consultation A stout man and healthy looking. Tongue furred and teeth somewhat decayed. Scattered Psoriasis Eruptions on the body and legs, and Eczema on the Scrotum. Pain in the legs, more in the left than in the right. No eye symptoms.

Examination of Urine:

Quantity in 24 hours	92 ozs.
Reaction	acid.
Physical Properties	colourless fluid without Acetone
Specific Gravity	1040. smell.
Albumen	none.
Sugar	daily Total 120 grammes, ex. 6 $\frac{1}{2}$ % in the specimen
Gerhardt's Test	negative. after usual meal.
Microscopic	no casts.

Examination of Blood

Progress	This was a mild case of Diabetes and Jambul did him good by increasing his power of assimilation. Total
Result	sugar was reduced to 30 grammes a day, after a month's use of Jambul.

Complications

Post Mortem

Name and Sex Dr. B. Private or ~~Hospital~~ Patient
 Caste Hindu
 Occupation Medl. Age 42.
 Weight at the time of Consultation 9 stones 9 lbs.
 Duration of the Disease Four years.
 Family History Father died of Diabetes.

Past History of the Patient With the exception of occasional attacks of Malarial fever never had any serious illness. Always steady in his habits and not given to any excess. His present illness started after the death of his wife four years ago. Grief at this loss and the worry about the young children left behind brought on an attack of insomnia which was followed by excessive thirst and polyuria. In the beginning the symptoms were very acute, but by dieting and Opium the disease has become stationary.

Condition of Patient at the time of Consultation When I saw him he looked pale and anaemic but not emaciated. His teeth were all gone, and there was some odour of Acetone in the breath. He had no neurotic symptoms except occasional insomnia. Milk was his principal food.

Examination of Urine:

Quantity in 24 hours	50 ozs.
Reaction	acid.
Physical Properties	Pale straw coloured without any smell of Acetone.
Specific Gravity	1032.
Albumen	absent.
Sugar	Total 30 grammes, 3 p.c. in the specimen after ordinary meal.
Gerhardt's Test	negative.
Microscopic	no casts.

Examination of Blood

Progress This gentleman is now close upon 60 years old, and for the last 15 years has lived principally upon nuts and milk. He is still active and follows his profession, and to look at nobody would think there was anything the matter with him although there is still pathological trace of sugar in the urine. Being strict vegetarian he has never taken meat, fish or eggs during his life. For sometime he used Opium but had to give it up on account of its binding effect. Jambul suited him better, and this he has been using regularly.

Post Mortem

Name and Sex Col.B. male Private or ~~Hospital~~ Patient
 Caste Christian.
 Occupation Army Officer. Age 52.
 Weight at the time of Consultation 155 lbs.
 Duration of the Disease 3 weeks.
 Family History Good. Nothing special.

Past History of the Patient Always enjoyed good health. Had been subject to Rheumatic attacks, not of very serious nature for the last two years. Had also Malarial fever three or four times. Had a severe attack of Sciatica in both legs during the cold weather, which confined him to bed for over a month.

How Disease was brought to his notice
 Ants and insects getting into the chamber pot attracted his attention, and on examining sugar was found in the urine.

Condition of Patient at the time of Consultation Distressing symptoms were those of Sciatica, and the urine was examined only at the patient's request. There was slight polyuria, but no thirst or any other symptoms of Diabetes.

Examination of Urine:

Quantity in 24 hours	50 ozs.
Reaction	acid.
Physical Properties	Clear yellowish fluid.
Specific Gravity	1025.
Albumen	none.
Sugar	Total 20 grammes, 1 p.c. in the morning specimen, on usual diet.
Gerhardt's Test	negative.
Microscopic	

Examination of Blood

Progress With the onset of the hot weather, and use of Quinine, both glycosuria and Sciatica disappeared.

Result Opium was given to relieve the Sciatic pain.

Complications

Post Mortem

Name and Sex B.D. male Private or ~~Hospital~~ Patient
 Caste Hindu.
 Occupation Law. Age 49.
 Weight at the time of Consultation 10 stones 3 lbs.
 Duration of the Disease 7 years.
 Family History rather died of Diabetes and mother after child-birth.

Past History of the Patient Had Rheumatism many years ago and Diabetes for the last seven years. For the last two months he has had pains across the front of his chest, and has been passing urine frequently in small quantities. His eyesight also began to fail at the same time. Has been in the habit of eating too many sweets.

How Disease was brought to his notice

Condition of Patient at the time of Consultation Did not have an emaciated look. Complained of headache, cold in the head and dryness of the throat. Tongue was coated and had the appearance of raw ham. Teeth, some were gone and some were loose on account of the receded gums. There was no smell of Acetone. Bowels were costive, lungs were Emphysematous and Heart sounds weak and distant. Calf muscles were tender and knee jerks normal. Radial and Temporal arteries somewhat rigid. Lense was opaque on account of cataract formation in both eyes.

Examination of Urine:

Quantity in 24 hours	49 ozs.
Reaction	acid.
Physical Properties	Pale straw coloured. No Acetone smell.
Specific Gravity	1032.
Albumen	none.
Sugar daily Total	35 grammes, 2.5 p.c. in the specimen after ordinary food.
Gerhardt's Test	negative.
Microscopic	no casts.

Examination of Blood

Progress	Jambul powders did lot of good to this patient, and with this remedy and moderation in carbohydrates
Result	only a trace of sugar was left in the urine and his general condition improved materially. Without
Complications	Jambul powders his power of assimilating carbohydrates was very low.

Post Mortem

Name and Sex B.L. male Private or ~~Hospital~~ Patient
 Caste Hindu.
 Occupation Book-seller Age 45.
 Weight at the time of Consultation 9 stones 8 lbs.
 Duration of the Disease Three years.
 Family History Belongs to neurotic family.

Past History of the Patient Had several attacks of Malarial fever.
 Was fond of sexual excesses. Three years ago he
 lost his wife, and since then his mind has not been
 easy. Shortly after this incident he had an
 acute attack of thirst and frequency of micturition,
 followed by sleeplessness, headache and backache.
 Has also been losing flesh lately.

How Disease was brought to his notice

On consulting a doctor he came to know that there
 was sugar in the urine, and when he ~~saw me~~ consulted me

Condition of Patient at the time of Consultation Complained of insomnia, failure
 of memory, and general weakness and frequency of
 micturition as if he had not emptied the Bladder.
 There was some tremor in his hands and facial muscles.
 His mind was somewhat dull and knee jerks not active.
 Heart sounds were distant but no murmur. Tongue
 was dry and coated and teeth sound. Spleen was
 slightly enlarged. Had a crop of boils two years
 ago, the scars of which were still visible. No
 eye symptoms.

Examination of Urine:

Quantity in 24 hours	48 ozs
Reaction	acid.
Physical Properties	pale straw coloured without Acetone smell.
Specific Gravity	1029.
Albumen	present.
Sugar dailyTotal	33 grammes, 2.5p.c. in the specimen on usual diet.
Gerhardt's Test	negative.
Microscopic	Some crystals of Oxalate of calcium.

Examination of Blood

Progress With Opium and some exercise his condition improved.
 Result He slept better and sugar was reduced to less than
 one per cent in six week's time. He is still
 alive (57 years old now) and doing well.

Complications

Post Mortem

Name and Sex B.N. male Private or ~~Hospital~~ Patient
 Caste hindu.
 Occupation Law Age 38.
 Weight at the time of Consultation 7 stones 13 lbs .
 Duration of the Disease Six months.
 Family History Good.

Past History of the Patient had one mild attack of Influenza and usual attacks of Malarial fever. No other serious illness. Six months ago he noticed that he was losing flesh, feeling very thirsty and passing large quantity of urine. The attack was insidious and the doctor who examined him put him on a modified diet, as he found sugar in the urine, but it did not do him much good. ^{Some} Lost over two stones in weight and is also How Disease was brought to his notice troubled with insomnia.

Condition of Patient at the time of Consultation Thin and somewhat emaciated. Skin, harsh and dry. Tongue clean and moist. Acetone smell from the mouth. Teeth ^{Some} decayed and others good. ^{flabby} Bowels costive and lot of flatulence. Galf muscles and tender. Sciatic pains in both legs. heart, Lungs and eyes normal. No skin eruption.

Examination of Urine:

Quantity in 24 hours	200 ozs.
Reaction	acid.
Physical Properties	courless watery fluid with Acetone
Specific Gravity	1035. smell.
Albumen	None.
Sugar dailyTotal	250 grammes, 5 p.c. in the specimen after
Gerhardt's Test	negative. usual meal.
Microscopic	no casts.

Examination of Blood

Progress With Opium and modified diet the quantity of urine was reduced to less than half but the percentage of sugar and specific gravity remained the same. Result Jambul powder was then tried and with its help the patient's condition improved very much, the percentage having gone down to three and total quantity below 60 grammes. Two years ago I saw him again after about ten years, and he looked decidedly better in general health and was doing his work as usual. he attributed his recovery to Jambul powders. Complications

Post Mortem

Name and Sex B.N. male Private or ~~Hospital~~ Patient
 Caste Hindu.
 Occupation Teacher Age 35.
 Weight at the time of Consultation 9 stones 1 lb.
 Duration of the Disease 1½ years.
 Family History Good.

Past History of the Patient Had severe attack of Influenza two years ago, after which his general health began to fail rapidly. He lost in weight in spite of his good appetite and had an unquenchable thirst and pressure of making water became so great that he was not able to hold it for a minute. On consulting a doctor he was told that there was sugar in the urine.

How Disease was brought to his notice

A very cachectic and miserable looking person with distinct Acetone smell from the mouth. Teeth sound, appetite good, bowels costive. No

Condition of Patient at the time of Consultation. eye trouble but complained of frontal headache and cramps in his legs. Knee jerks were weak. Lungs were clear and heart sounds weak, somewhat, also complained of pain in the back.

Examination of Urine:

Quantity in 24 hours 130 ozs.
 Reaction acid.
 Physical Properties greenish watery fluid without Acetone
 Specific Gravity 1037. smell.
 Albumen present.
 Sugar daily Total 135 grammes, ~~xx~~ 4.4% in the specimen
 Gerhardt's Test present. after usual meal.
 Microscopic

Examination of Blood

Progress Absolute diet did not stop the excretion of glucose in the urine and drugs like Opium and Jambul powders did him no good. About two months after he had a carbuncle on the neck and died.

Complications

Post Mortem

Name and Sex B.S. male Private or ~~Hospital~~-Patient
 Caste Hindu.
 Occupation Student. Age 18.
 Weight at the time of Consultation 102 lbs.
 Duration of the Disease 9 months.
 Family History Parents alive and healthy; one brother and two sisters more in the family - all healthy.

Past History of the Patient Total abstainer and non-smoker; married but on account of student life had to live separate and indulged in masturbation. Had no other vice.

How Disease was brought to his notice Severe thirst and disturbed sleep on account of frequency of micturition. His attention was invited to this condition and on consulting a doctor sugar was found in the urine.

Condition of Patient at the time of Consultation Pale and sallow looking with dilated pupils. Complained of excessive thirst and feeling weak. Very emotional and nervous. Appetite good but bowels costive. Heart's action irregular. Liver and Lungs normal.

Examination of Urine:

Quantity in 24 hours 80 ozs.
 Reaction acid.
 Physical Properties Pale straw coloured with sweetish odour.
 Specific Gravity 1039.
 Albumen none.
 Sugar daily Total 85 grammes, 4 p.c. in the morning specimen
 Gerhardt's Test negative. on usual diet.
 Microscopic

Examination of Blood

Progress Under medical care and Opium treatment he improved materially and did not see him again.
 Result

Complications

Post Mortem

Name and Sex B.S. male Private or ~~Hospital~~ Patient
 Caste Hindu
 Occupation Teacher Age 51.
 Weight at the time of Consultation 7 stones 5 lbs.
 Duration of the Disease 18 months.
 Family History Good.

Past History of the Patient had no previous illness. Present complaint came on 18 months ago with polyuria and thirst. Appetite has not been excessive. He has been losing flesh and sometimes got pains in the legs and hips, more so on exercise. Unable to assign any ~~cause~~ but perhaps to mental strain.

How Disease was brought to his notice On consulting a doctor he was told that all his troubles were due to sugar in the urine, and he has since been dieting himself.

Condition of Patient at the time of Consultation General condition wasted and anaemic. Sweet odour from the breath. Tongue furred, teeth decayed. Bowels costive. Lungs emphysematous, some scattered rales and ronchi being audible all over. Cardiac dullness diminished. No murmur. Heart sounds weak. Abdomen doughy. Liver edge 1" below the Costal margin. Some tenderness in the calf muscles. Knee jerks diminished.

Examination of Urine:

Quantity in 24 hours 136 ozs.
 Reaction acid.
 Physical Properties Colourless watery fluid without Acetone
 Specific Gravity 1040. smell.
 Albumen absent.
 Sugar daily Total 260 grammes, &c. in the specimen on
 Gerhardt's Test negative. ordinary diet.
 Microscopic nothing special.

Examination of Blood

Progress Strict milk diet was used in this case and without
 Result and drug improvement was most marked. Quantity of
 urine was reduced to 108 ozs. and sugar to 4%.
 Complications Later Syzygium Jambularum was tried and improvement
 was still greater. Total quantity of sugar being
 reduced to 35 grammes a day.

Name and Sex B.S. male Private or ~~Hospital~~ Patient

Caste Hindu.

Occupation Medical Student Age 21.

Weight at the time of Consultation 154 lbs.

Duration of the Disease Six months.

Family History Belongs to neurotic family. Father sensitive and emotional. Mother corpulent. Has one more brother of school going age who so far is healthy.

Past History of the Patient has been of studious habits and not fond of exercise. One day got alarmed to find 0.5% sugar in his urine. With diet and exercise sugar disappeared but returned during the next cold weather, when he consulted me.

How Disease was brought to his notice
Casually on examination of his own urine sugar was found.

Condition of Patient at the time of Consultation Looked healthy and strong. On examination of his urine on several occasions I noticed that if glucose was absent there was an excess of Oxalic Acid and if glucose appeared Oxalic acid decreased. Crystals of Oxalate of Calcium were frequently seen in his urine.

Examination of Urine:

Quantity in 24 hours	80 ozs.
Reaction	acid.
Physical Properties	Pale straw coloured w.o. any
Specific Gravity	1025. smell.
Albumen	none.
Sugar daily Total	35 grammes, 1.5% in the specimen
Gerhardt's Test	negative.
Microscopic	no casts but crystals of Oxalate of Calcium.

Examination of Blood

Progress I advised ~~on~~ rest and change of air and on his return the urine was normal. Sugar did not give him any trouble. The interest of this case lies in glycosuria alternating with Oxaluria.

Result

Complications

Post Mortem

Name and Sex M.A.U. male Private or ~~Hospital~~ Patient
 Caste Christian
 Occupation Govt. Official Age 62.
 Weight at the time of Consultation 11 stones.
 Duration of the Disease 5 years.
 Family History Good.

Past History of the Patient Has always been active and healthy in his life. He retired from the service 7 years ago. 5 years ago he had an acute attack of Pneumonia, which left him in a weak condition for a long time. About a month after he noticed that he was very thirsty, and on examination his doctor found that there was glucose in the urine.

How Disease was brought to his notice

Condition of Patient at the time of Consultation His chief complaint was insomnia. He looked fairly well-nourished, and with one exception all his teeth were sound. Heart and lungs were fairly normal. No pains anywhere. Thirst and polyuria were not marked. Bowels costive. Boils sometimes come out and trouble him a bit.

Examination of Urine:

Quantity in 24 hours	52 ozs.
Reaction	acid.
Physical Properties	Pale straw coloured w.o. Acetone smell.
Specific Gravity	1029.
Albumen	absent.
Sugar	Total 35 grammes, 3 p.c. in the morning specimen on usual diet.
Gerhardt's Test	absent.
Microscopic	no casts.

Examination of Blood

Progress	With moderation in diet and regular constitutional, the disease has shown no signs of progress. I saw him two years after again, and he appeared to be in good health, and the only trouble he complained of was occasional insomnia. Trace of sugar however was still present in the urine.
Result	
Complications	

Post Mortem

Name and Sex Mrs. C female Private or ~~Hospital~~ Patient
 Caste Christian.
 Occupation Widow. Age 45.
 Weight at the time of Consultation 155 lbs.
 Duration of the Disease Four years.
 Family History Belongs to neurotic family. One sister had attacks of hysteria, and one brother stammers.

Past History of the Patient has always been in easy circumstances. Sensitive and short tempered and highly emotional. Lost her husband four years ago, and she attributes her disease to this cause. Has no children.

How Disease was brought to his notice Constant thirst attracted her attention and on consulting a doctor came to know that she was suffering from Diabetes.

Condition of Patient at the time of Consultation Gets periodical attacks of Diabetes, once or twice a year. The symptoms last for some weeks, and during those attacks large quantities of sugar (over 30 grammes in 24 hours) ~~are~~ ~~are~~ passed. With a little care this sugar soon disappears, and during the intervals only a trace of sugar remains. This time the sugar lasted for a longer period, and hence consultation.

Examination of Urine:

Quantity in 24 hours 50 ozs.
 Reaction acid.
 Physical Properties Pale straw coloured w.o. smell of Acetone.
 Specific Gravity 1032.
 Albumen none.
 Sugar daily Total 35 grammes, $3\frac{1}{2}$ p.c. in the specimen on usual food.
 Gerhard's Test absent.
 Microscopic no sediment.

Examination of Blood

Progress Patient has been in this condition now for over four years. During attacks she is careful in dieting herself, but during the intervals she eats nearly everything. During the attacks I prescribed Opium to her, and it soothed her very much. I had occasion to see her ten years after our first acquaintance, and she appeared to me in excellent health.

Post Mortem

Name and Sex U.U. male Private or ~~Hospital~~ Patient
 Caste Hindu.
 Occupation Banker. Age 44.
 Weight at the time of Consultation 13 stones 12 lbs.
 Duration of the Disease 18 months.
 Family History Obesity in the family. Married but no children.
 rather was very short tempered and irritable.

Past History of the Patient Up to 18 months ago he had no serious illness. Then he noticed general weakness which has been on the increase ever since. Three months ago he noticed that he got tired very soon after any exertion and this also is now getting worse. He has had no pains. Has been getting up lately three or four times during the night to pass water, How Disease was brought to his notice and feels very thirsty. Has got thinner now.
 On examination of his urine the doctor found sugar. Before this illness he used to weigh 17 stones.
 Condition of Patient at the time of Consultation Could hardly walk on account of stoutness. Very short of breath on exertion. Lungs alright. Bowels costive, teeth good, no smell of Acetone. Complained of general debility. No neurotic symptoms except sleeplessness on account of frequency of micturition. Thirst is not so bad now as it was in the beginning.

Examination of Urine:

Quantity in 24 hours 130 ozs.
 Reaction acid.
 Physical Properties Pale straw coloured w.o. Acetone smell.
 Specific Gravity 1035.
 Albumen a trace.
 Sugar daily Total 200 grammes, 6 p.c. in the morning specimen
 Gerhardt's Test *negative* on ordinary diet.
 Microscopic

Examination of Blood

Progress Jambul powder reduced the quantity of his urine to 60 ozs, and sugar to 3%. Was chiefly kept on
 Result milk and nuts. When I saw him last after four years interval he was thinner than before, which I thought was a boon in his case as he was now able
 Complications to walk about more freely, and took more exercise.

Post Mortem

Name and Sex **G.L. male** Private or ~~Hospital~~ Patient

Caste **Hindu.**

Occupation **Merchant.** Age **58.**

Weight at the time of Consultation **9 stones 9 lbs.**

Duration of the Disease **18 years.**

Family History Comes of a neurotic family. His father died of Paralysis. His third son gets occasional attacks of Epilepsy. The rest of the members are in good health.

Past History of the Patient 18 years ago he had to consult a doctor on account of excessive thirst and he was told that it was due to sugar in the urine. He was directed to abstain from sugar and take exercise. Five years ago he had an attack of Facial Palsy, right side, which was cured after several month's treatment.

How Disease was brought to his notice

Examination of urine on account of thirst revealed sugar.

Condition of Patient at the time of Consultation He came to see me about his loss of vision in the right eye and it was found that he had Optic Neuritis in that eye and also some old haemorrhagic patches in the retinae. His arteries showed signs of degeneration.

Examination of Urine:

Quantity in 24 hours **50 ozs.**

Reaction **acid.**

Physical Properties **Pale straw coloured with usual smell**

Specific Gravity **1027.** of Acetone.

Albumen **present.**

Sugar daily Total **20 grammes, 2 p.c. after usual food.**

Gerhardt's Test **absent**

Microscopic **no casts.**

Examination of Blood

Progress About a year after I heard that he had an ~~attack~~ ^{stroke} of Paralysis and died. (Cerebral haemorrhage.)

Result

Complications

Post Mortem

Name and Sex U.L. male Private or ~~Hospital~~ Patient
 Caste Christian.
 Occupation Police Officer. Age 30.
 Weight at the time of Consultation 9 stones 3 lbs.
 Duration of the Disease One month.
 Family History Good.

Past History of the Patient Never had any serious illness until ~~a~~ three years ago when he contracted Syphilis. Since then he has never been free from syphilitic manifestations. Six months ago he had a gumma in the brain and was under treatment for this for a long time. About a month ago he noticed that ants and other insects were collected in the chamber pot, and on examination 2 per cent glucose was found in the urine. I took no serious notice of this condition and on recovery ~~from~~ the officer from syphilitic symptoms. ~~Glucose~~ also disappeared from the urine without any special treatment.

How Disease was brought to his notice

Condition of Patient ~~at time of Consultation~~

Examination of Urine:

Quantity in 24 hours

Reaction

Physical Properties

Specific Gravity

Albumen

Sugar

Total

p.c.

Gerhardt's Test

Microscopic

Examination of Blood

Progress

Result

Complications

Post Mortem

Name and Sex	U.P. male	Private or Hospital Patient
Caste	Mahomedan.	
Occupation	Merchant	Age 59.
Weight at the time of Consultation	9 stones 3 lbs.	
Duration of the Disease	19 years.	
Family History	Good.	

Past History of the Patient By virtue of his occupation he has been a man of sedentary habits, and being also a man in easy circumstances has been fond of sexual excesses. Has always been a total abstainer.

How Disease was brought to his notice Thirst and frequency of micturition attracted his attention and on examination a doctor told him that there was sugar in his urine.

Condition of Patient at the time of Consultation Complained of pain in the legs and stomach. Looks very much emaciated. His limbs are tender all over. Bowels costive. Teeth gone. Smell of Acetone in mouth. Heart and Lungs normal. Persistent eczema on the legs, especially left one. Sleep bad and temper short. No eye complaints.

Examination of Urine:

Quantity in 24 hours	97ozs.
Reaction	acid.
Physical Properties	Pale straw coloured with Acetone smell.
Specific Gravity	1040.
Albumen	present.
Sugardaily Total	147 grammes, 5p.c. in the morning
Gerhardt's Test	present. specimen on usual food.
Microscopic	

Examination of Blood

Progress	Opium and Bromide relieved his pains a bit. Otherwise his condition remained unaltered.	Four years after
Result	I heard he died of carbuncle.	

Complications

Post Mortem

Name and Sex C.P. male Private or ~~Hospital~~ Patient
 Caste Madrasi Hindu.
 Occupation railway clerk. Age 52.
 Weight at the time of Consultation 10 stones 4 lbs.
 Duration of the Disease 2 years.
 Family History good.

Past History of the Patient

Two years ago he began to suffer from Indigestion and later on thirst began to trouble him. It was then discovered that he had sugar in the urine. Since then he has lost much flesh and suffers from general pains throughout the limbs. He had been in the habit of drinking. Previous to this he had no serious illness except occasional attacks of fever.

Condition of Patient at the time of Consultation Had pains throughout his lower limbs of shooting nature from the hips downwards. Sleep was bad. Eyesight good. Knee jerks diminished, and calf muscles, especially of the right side were tender. was numb feeling in both feet. Bowels costive. Teeth good. Thirst bad and appetite poor. No cough, but complained of shortness of breath on exertion. felt very weak and had no desire to work. Spleen enlarged.

Examination of Urine:

Quantity in 24 hours 162 ozs.
 Reaction acid.
 Physical Properties Clear fluid with greenish tinge with
 Specific Gravity 1048. Acetone smell.
 Albumen none.
 Sugar daily Total 400 grammes, 10 p.c. in the morning
 Gerhardt's Test negative. specimen on usual food.
 Microscopic

Examination of Blood

Progress With Opium, moderation in diet, out-door exercise, and improved habits his condition improved very much. The quantity of urine got reduced to 58 ozs, sugar to 3%, and specific gravity 1029 in the course of six weeks.
 Result
 Complications

Post Mortem

Name and Sex C.M. male Private or ~~Hospital~~ Patient
 Caste Christian
 Occupation Govt. Official. Age 30.
 Weight at the time of Consultation 128 lbs.
 Duration of the Disease few days.
 Family History good.

Past History of the Patient The patient felt out of sorts and thought he was in for fever. He sent for me, and on examination I found that he had a temperature of 103 degrees F.

How Disease was brought to his notice Next morning I saw him again and noticed lot of insects in his chamber pot. On

Condition of Patient at the time of Consultation examination I found 0.8% of sugar. The fever continued and so did the sugar, which went up to 1%. The fever turned out to be Enteric, and after 21 days when temperature came down to normal, the sugar also disappeared. After a

Examination of Urine:

Quantity in 24 hours month the patient regained his usual

Reaction health and has been perfect since then.

Physical Properties

Specific Gravity

Albumen

Sugar Total p.c.

Gerhardt's Test

Microscopic

Examination of Blood

Progress

Result

Complications

Post Mortem

Name and Sex Mr.D. male Private or ~~Hospital~~ Patient
 Caste Hindu.
 Occupation Con tractor. Age 30.
 Weight at the time of Consultation 7 stones 3 lbs.
 Duration of the Disease Three years.
 Family History Father died of Diabetes, mother of lung disease.

Past History of the Patient 10
 had Enteric fever ~~10~~ years ago. His present illness came on ~~one~~ three years ago when he began to lose weight and strength, and noticed that he was very thirsty and passing a large quantity of urine. On consulting a doctor he found sugar in the urine. For three weeks he had pains in the stomach and loins, generally worse after food. Lost over 3 stones in the course of a year.

Condition of Patient at the time of Consultation very weak and wasted. Extremities colder than usual. Radial artery showed low tension. No oedema. Mouth dry and tongue like raw ham in colour and slightly coated. Skin dry and harsh. Acetone smell in the breath. Heart sounds weak. Lung normal. Abdomen slightly tender and full, giving tympanic note on percussion. Knee jerks absent. No muscular tenderness. Thirst excessive and polyuria. Fatty stools were not observed. No eye symptoms.

Examination of Urine:

Quantity in 24 hours	80 ozs.
Reaction	acid.
Physical Properties	Pale straw colored with smell
Specific Gravity	1040. of Acetone.
Albumen	present.
Sugar	Total 160 grammes, 7 p.c. in the specimen after ordinary meal.
Gerhardt's Test	present.
Microscopic	

Examination of Blood

Progress The patient a fortnight after became drowsy and died of coma. Judging from the age of the patient, short duration of the disease, rapid loss in weight, and the severity of its symptoms and its termination in death this case was most probably one of Pancreatic Diabetes although fatty stools were not observed during life, and post mortem examination was not permitted.

Post Mortem

Name and Sex D/R.P. male Private or ~~Hospital~~ Patient
Caste Madrasi Hindu.
Occupation Writer in Mess. Age 51.
Weight at the time of Consultation 10 stones 2 lbs.
Duration of the Disease 9 years.
Family History Belongs to gouty and neurotic family.

Past History of the Patient

Fast History of the Patient

has been in the habit of drinking beer for the past 20 years. Nine years ago he had a sudden onset of thirst with frequency of micturition, and on consulting a doctor came to know that he had sugar in the urine. Of late his sleep has also been bad. Has had attacks of Malarial fevers as usual.

How Disease was brought to his notice

Condition of Patient at the time of Consultation General condition not very bad. Looked a bit pale and liverish. Teeth partly gone and partly loose, the gums having receded. Tongue coated but no smell of Acetone in the breath. Bowels costive. Slight tenderness in the hepatic region. Spleen enlarged. No neurotic symptoms. Eyesight good. There was no indication of changes in the arteries. Complained of general weakness and no strength to do any work.

Examination of Urine:

Quantity in 24 hours	210 ozs.
Reaction	acid.
Physical Properties	colourless watery fluid w.o. Acetone
Specific Gravity	1040. smell.
Albumen	none.
Sugar	daily total 425 grammes, 7.4 p.c. in the specimen after usual meal.
Gerhardt's Test	negative.
Microscopic	no casts.

Examination of Blood

Progress	Jambul powders did him lot of good, the quantity of urine having come down to 80 ozs, and percentage of sugar reduced to 2.5 in the course of a month. With absolute diet, glucose in the diet could be controlled entirely. It was therefore still a case of mild Diabetes. With improved habits and moderation in carbohydrates there is every chance for him to live for another ten or twelve years.
Result	
Complications	

Post Mortem

Name and Sex D.S. male Private or ~~Hospital~~ Patient
 Caste Hindu
 Occupation Teacher. Age 52.
 Weight at the time of Consultation 10 stones 12 lbs.
 Duration of the Disease 5 years.
 Family History Father died of carbuncle and mother of Asthma.

Past History of the Patient Has not been well for the past five years and during this time has lost 3 stones in weight. The trouble commenced with excessive thirst on account of which he had to drink a great deal of water. He is a man of sedentary habits, fond of mental work and not given to any kind of excess. On consulting a doctor he came to know that there was sugar in the urine and that this was the cause of his trouble.

How Disease was Brought to his notice

Condition of Patient at the time of Consultation
 Looked pale and anaemic and depressed. Had eczema of the Scrotum for the last six months which distressed him a great deal. Tongue coated brown and mouth dry. Teeth, some were gone and some were loose and carious. Complained of pain in the stomach and back, but no mass could be felt. There was also no oedema. No other neurotic symptoms. No eye symptoms.

Examination of Urine:

Quantity in 24 hours	108 ozs.
Reaction	acid.
Physical Properties	colourless fluid.
Specific Gravity	1040.
Albumen	none.
Sugardaily Total	190 grammes, 8 p.c. in the specimen after ordinary meal.
Gerhardt's Test	negative.
Microscopic	no casts.

Examination of Blood

Progress	In this case Jambul powders were of real service in increasing the power of assimilation for carbohydrates
Result	The urine came down to 58 ozs., and specific gr. to 1030 on 8 ozs. of carbohydrates. After three years I met him again and he told me that his
Complications	complaint was not giving him any trouble at all.

Name and Sex **D.Singh** male Private or ~~Hospital~~-Patient
 Caste **Hindu.**
 Occupation **Teacher.** Age **45.**
 Weight at the time of Consultation **135 lbs.**
 Duration of the Disease **One year.**
 Family History **Good.**

Past History of the Patient **Has been neurasthenic. In his younger days he was short tempered and irritable. Suffered frequently from insomnia. Total abstainer and vegetarian. Had no previous serious illness. Present illness started a year ago when excessive thirst attracted his attention and on consulting a doctor he found that he was in for Diabetes.**
 How Disease was brought to his notice

Condition of Patient at the time of Consultation **The patient was thin for his size. Otherwise looked well-nourished. Complained of pain in the back and cramps in the legs. His vision was normal for his age. Bowels costive. Some teeth entirely gone and others loose. Appetite good. No smell of Acetone from the mouth.**

Examination of Urine:

Quantity in 24 hours **110 ozs.**
 Reaction **acid.**
 Physical Properties **Pale straw coloured w.o. Acetone smell.**
 Specific Gravity **1040.**
 Albumen **none.**
 Sugar **daily Total 165 grs. 7 p.c. after ordinary diet.**
 Gerhard's Test **negative.**
 Microscopic **normal.**

Examination of Blood

Progress **The man became very careful with his diet and with opium his condition improved, and eventually sugar disappeared but polyuria remained. I saw him several years after, two years ago, and he told me that the quantity of urine was also normal now.**
 Result
 Complications **I did not get an opportunity to examine the urine this time.**

Post Mortem

Name and Sex D.S. male Private or ~~Hospital~~ Patient
 Caste hindu.
 Occupation Money-lender Age 54.
 Weight at the time of Consultation 10 stones 7 lbs.
 Duration of the Disease 10 years.
 Family History Good.

Past History of the Patient Has been fond of sexual excesses. Does not remember ever having any serious illness. Ten years ago he wanted to insure his life and to his surprise he was rejected as sugar was found in his urine. His habits have always been regular and his food vegetarian. Of late he has been losing flesh and suffering from insomnia.

How Disease was brought to his notice

Condition of Patient at the time of Consultation Had the look of a prematurely old man. Most of the teeth were gone and the rest were loose. Thirst was not excessive and bowels were irregular. Heart sounds somewhat weak. Knee jerk present in the right leg but absent in the left. No eye symptoms.

Examination of Urine:

Quantity in 24 hours	96 ozs.
Reaction	acid.
Physical Properties	colourless fluid w.o. Acetone smell.
Specific Gravity	1030.
Albumen	absent.
Sugar daily	Total 90 grammes, 4 p.c. in the specimen after ordinary meal.
Gerhardt's Test	negative.
Microscopic	no casts.

Examination of Blood

Progress	Syzygium jambulanum powder had an excellent effect in this case. With its use the sugar came down to 28 grammes in 24 hours and specific gravity was reduced to 1025. I met him again after 8 years and he was quite lively and well.
Result	
Complications	

Post Mortem

Name and Sex E.L. female Private or ~~Hospital~~ Patient
 Caste Christian.
 Occupation Married. Age 48.
 Weight at the time of Consultation 8 stones 5 lbs.
 Duration of the Disease 9 years.
 Family History Mother died of Diabetes, father of Cholear.

Past History of the Patient

wine years ago she felt very weak and thirsty and her doctor discovered sugar in her water. Since then she has been under treatment more or less. Three years ago her eyesight began to fail, and since then it has got steadily worse. 12 months ago she began to be troubled with incontinence of urine, and this, too, has increased lately. She has lost weight and has been having pains all over the body for several years past.

Condition of Patient at the time of Consultation

Looked pale and emaciated. Complained of passing large quantities of urine, and at night, of incontinence. Thirst not so bad as it was some years ago. Skin dry and harsh, but no boils or other skin eruptions. Slight cough and sputum but no Tubercle Bacilli. Bowels costive. Complained of insomnia. Lense hazy and signs of cataract formation. General pains throughout the body. Haemorrhagic Retinitis.

Examination of Urine:

Quantity in 24 hours	59 ozs.
Reaction	acid.
Physical Properties	Pale straw coloured with smell of
Specific Gravity	1047. Acetone.
Albumen	a trace.
Sugar daily Total	110 grammes, xx 8% in the morning
Gerhardt's Test	Positive. specimen on usual food.
Microscopic	No casts.

Examination of Blood

Progress Opium and Jambul powders controlled the sugar for a while but her condition eventually did not improve. Within six months she had a Carbuncle and died. Post mortem examination was not allowed.

Complications

Post Mortem

Name and Sex **Mt. r. female** Private or ~~Hospital~~ Patient
 Caste **Mahomedan.**
 Occupation **Married.** Age **47.**
 Weight at the time of Consultation **10 stones 1 lb.**
 Duration of the Disease **5 years.**
 Family History **Mother diabetic, father Asthmatic. had five children.
 All alive and healthy.**

Past History of the Patient **Had Rheumatic fever in childhood. has been having crops of boils now and then since childhood. Five years ago she had an acute attack of thirst after her last confinement, and micturition became so pressing that she was not able to control it. She also became gradually very weak.**

How Disease was brought to his notice
The doctor told her that the cause of her present trouble was sugar in the urine.

Condition of Patient at the time of Consultation **When I saw she appeared to be in good general condition. She complained of Sciatic pains in the right leg and general weakness. She was neurasthenic. Knee jerks were absent. Heart and Lungs normal. Some teeth were gone and some were loose, the gums having receded. No skin eruptions but there were several scars of old boils all over the body. Thirst and polyuria were not much and Diabetes seemed to be stationary.**

Examination of Urine:

Quantity in 24 hours	50 ozs.
Reaction	acid.
Physical Properties	Pale straw coloured w.o. Acetone smell.
Specific Gravity	1030.
Albumen	none.
Sugardaily Total	30 grammes, 2.5p.c. in the specimen on ordinary diet.
Gerhardt's Test	negative.
Microscopic	No casts or deposit.

Examination of Blood

Progress **She did not require any active treatment. Jambul powders were given to her to improve her assimilating powers and she did very well on them. Ten years**
 Result **after I saw her again and she looked alive and well.**

Complications

Post Mortem

Name and Sex F.B. male Private or ~~Hospital~~ Patient
 Caste Mahomedan.
 Occupation Postal official. Age 49.
 Weight at the time of Consultation 10 stones 11 lbs.
 Duration of the Disease 7 years.
 Family History Good.

Past History of the Patient Never had any serious illness until 7 years ago when he had an acute attack of thirst and had to get up at night to make water frequently. On consulting a doctor he came to know that there was sugar in the urine. He has been a man of steady habits but indulged in sexual excesses rather too much and he attributes his present illness to this.

How Disease was brought to his notice.

Condition of Patient at the time of Consultation

Somewhat anaemic but general condition on the whole good. Complained of pain in the right arm, and a feeling of general weakness. Teeth alright and no smell of Acetone. Heart, Lungs and eyesight normal. There was a patch of persistent eczema on the neck. Suffered frequently from insomnia. Appetite good.

Examination of Urine:

Quantity in 24 hours 70 ozs.
 Reaction acid.
 Physical Properties Pale straw coloured without Acetone
 Specific Gravity 1035. smell.
 Albumen absent.
 Sugar daily Total 30 grammes, 3 p.c. in the specimen after
 Gerhard's Test negative usual meal.
 Microscopic no casts.

Examination of Blood

Progress Sugar from urine entirely disappeared on absolute diet and with the help of Jambul powders he was
 Result able to assimilate 8 ozs of bread without showing sugar in the urine. Some months after Cholera took him away.
 Complications

Post Mortem

Name and Sex F.O.C. male Private or ~~Hospital~~ Patient
 Caste Hindu.
 Occupation Writer. Age 35.
 Weight at the time of Consultation 8 stones 4 lbs.
 Duration of the Disease Two years.
 Family History Good.

Past History of the Patient Had lot of worry on account of his wife and several children and little pay. His present illness started after the death of his eldest boy, two years ago when he had an attack of thirst and frequency of micturition. On consulting a doctor he came to know that he was suffering from Diabetes. During two years he has lost over 2 stones in weight.

How Disease was brought to his notice

Condition of Patient at the time of Consultation Thin, emaciated and worn out looking man with distinct smell of Acetone in the breath. Tongue coated brown and dry. Skin harsh and dry. Felt extremely weak and drowsy. Thirst was excessive and he was making water almost every hour. Eyesight was good but knee jerks absent. Heart sounds quick and weak. No cough or expectoration. Complained of pain all over the body especially in the calf muscles.

Examination of Urine:

Quantity in 24 hours	160 ozs.
Reaction	acid.
Physical Properties	colourless fluid with smell of Acetone.
Specific Gravity	1035.
Albumen	absent.
Sugar	Total 110 grammes, 4p.c. in the specimen after ordinary food.
Gerhardt's Test	Positive.
Microscopic	No casts.

Examination of Blood

Progress The patient after these acute symptoms did not last very long. In the course of a month he became still more drowsy and succumbed to coma. Jambul and Opium and Salts did him no good.

Complications

Post Mortem

Name and Sex H. N. male Private or ~~Hospital~~ Patient
 Caste Christian.
 Occupation Officer. Age 42.
 Weight at the time of Consultation 10 stones 5 lbs.
 Duration of the Disease Two months.
 Family History Good.

Past History of the Patient

had an attack of Influenza six months ago and another two months ago. After the second attack he showed signs of sugar in the urine by thirst and frequency of micturition. had no other serious illness.

How Disease was brought to his notice

Condition of Patient at the time of Consultation complained of excessive thirst and frequency of micturition, getting up at night two or three times, which disturbed his sleep very much. There was wheeziness in both lungs, towards their bases especially, and the patient complained of shortness of breath on exertion although heart sounds were normal. Also complained of pain in the chest, but nothing definite. There was no dullness over the lungs. Nervous system alright.

Examination of Urine:

Quantity in 24 hours 85 ozs.
 Reaction acid.
 Physical Properties Pale straw coloured.
 Specific Gravity 1039.
 Albumen none.
 Sugar daily Total 135 grammes, ~~xxx~~ 6.8% on usual diet.
 Gerhardt's Test negative.
 Microscopic

Examination of Blood

Progress The patient went on passing large quantities of sugar for about six weeks. When his Lungs cleared up and his condition improved sugar began to diminish, and disappeared entirely in the course of three months. Jambul powders were freely used.
 Result
 Complications

Post Mortem

Name and Sex F.R. male Private or ~~Hospital~~ Patient
 Caste Christian.
 Occupation Army officer Age 53.
 Weight at the time of Consultation 252 lbs.
 Duration of the Disease One year.
 Family History good.

Past History of the Patient has always been fond of good table and drinks. has had gout for the last 15 years, and Internal Piles for about 8 years. Temper sensitive. Beyond occasional attacks of usual Malarial fever had no other serious illness. Present illness came on about a year ago and was decidedly due to drinks. Insects in the chamber pot attracted this officer's
 How Disease was brought to his notice attention, and on examination sugar was found in the urine.

Condition of Patient at the time of Consultation This officer was enormous in weight with ruddy cheeks and looked in good general health. He felt a bit thirsty and passed more than usual quantity of urine, but beyond these had no other symptom of Diabetes. During the summer he had a crop of boils which he thought was due to mangoes. Heart sounds were weak but regular, and other organs were normal.

Examination of Urine:

Quantity in 24 hours	80 ozs.
Reaction	acid.
Physical Properties	Pale straw coloured without any Acetone smell.
Specific Gravity	1029.
Albumen	none.
Sugar dailyTotal	30 grammes, 1.5p.c. in the specimen on usual diet.
Gerhardt's Test	nil.
Microscopic	No casts.

Examination of Blood

Progress Excess of drink was stopped and his condition was improved. It is now 14 years since I saw him but
 Result I hear he is still lively and gay, and although he has still a trace of pathological sugar in the
 Complications urine he is not inconvenienced in any manner.

Post Mortem

Name and Sex	R.S. male	Private or Hospital Patient
Caste	Hindu.	
Occupation	Teacher.	Age 62.
Weight at the time of Consultation	110 lbs.	
Duration of the Disease	20 years.	
Family History	Good.	

Past History of the Patient Given to sedentary habits and heavy intellectual work. Never had any serious illness previously, and the onset of the present ailment was so insidious that he could not fix any exact date. It was only when he wanted to insure himself that examination for life insurance 20 years ago brought to light that there was sugar in his urine.

How Disease was brought to his notice in his urine.

Condition of Patient at the time of Consultation In fairly good condition. Most of the teeth were gone. Appetite good and bowels regular. Slept fairly well and took some constitutional. He did not look at all anxious about himself. His only complaint was thirst, and for this purpose had come to consult me. He told me that he had never paid any special attention to his diet.

Examination of Urine:

Quantity in 24 hours	200 ozs.
Reaction	acid.
Physical Properties	Pale straw colored without Acetone
Specific Gravity	1040. smell.
Albumen	none.
Sugar dailyTotal	375 grammes, 7p.c. on ordinary diet.
Gerhardt's Test	negative.
Microscopic	no casts.

Examination of Blood

Progress	This chronic case with the exception of thirst never had any bad symptoms in spite of passing so much sugar daily ^{and} he did not care to restrict his diet. He was 62 when I saw him, and he lived up to the age of 67 which is very good for India.
Result	
Complications	

He took Opium regularly.

Post Mortem

Name and Sex Mr. G. male Private or ~~Hospital~~ Patient
 Caste Christian
 Occupation Jail official Age 42.
 Weight at the time of Consultation 12 stones 7 lbs.
 Duration of the Disease Three years.
 Family History Good.

Past History of the Patient Never had any serious illness. Three years ago he got into some trouble in connection with his official life, and the worry and anxiety of the case brought on an acute attack of thirst and polyuria, followed by wasting and weakness.

How Disease was brought to his notice On examination of his urine sugar was found in it.

Condition of Patient at the time of Consultation When I saw him he looked pale and sallow without any sign of great emaciation. He was thirsty and used to get up at night once or twice. His teeth were alright and there was no smell of Acetone. He had no eye trouble.

Examination of Urine: .

Quantity in 24 hours	72 ozs.
Reaction	acid.
Physical Properties	Pale straw coloured.
Specific Gravity	1032.
Albumen	none.
Sugar daily Total	65 grammes, $4\frac{1}{2}$ p.c. in the specimen after
Gerhardt's Test	negative. usual diet.
Microscopic	no casts.

Examination of Blood

Progress	This case also did very well on jambul as this increased his power of assimilation. He at one time had given up carbohydrates entirely and lost over a stone of flesh in 14 days. I watched his case for about 2 years. During this time he had once a boil which gave some trouble but eventually healed. Later he got into trouble again, and had to leave the jail service.
Result	
Complications	

Post Mortem

Name and Sex Dr.G. male Private or ~~Hospital~~ Patient
 Caste Hindu.
 Occupation Medical. Age 44.
 Weight at the time of Consultation 10 stones 7 lbs.
 Duration of the Disease Four years.
 Family History Good.

Past History of the Patient

Had no serious illness until he was 40 years old when he got an acute attack of thirst and polyuria rather unexpectedly. He has always been steady in his habits and never indulged in any excess. He, of course, had usual attacks of Malarial fevers but he attributed his disease entirely to his habit of eating too much sweets and starchy food. He was not keen on exercise and never walked if he could help it.

Condition of Patient at the time of Consultation I saw him for the first time in 1894 when his Diabetes was four years old, and since then I have kept myself in touch with him, and he has kindly always given me information as regards his state. In the beginning he was very anxious and according to the light of those days had discarded potatoes and rice and sweet things entirely. But as he was accustomed to take rice he found that he was getting worse on this rigid diet and that he had lost 10 lbs in 14 days. He then returned to his original diet and took

Examination of Urine. Carbohydrates in moderation and his condition at once improved. Opium is the only drug he has used. When I saw him for the first time his urine had 5% sugar and last year, after 18 years it was less than 2% and there were no diabetic symptoms to speak of. He is now over 60 and I have no doubt will put in a few years more. No eye or neurotic trouble.

Quantity in 24 hours	
Reaction	
Physical Properties	
Specific Gravity	
Albumen nil.	
Sugar	Total
	p.c.
Gerhardt's Test	
Microscopic	

Examination of Blood

Progress

Result

Complications

Post Mortem

Name and Sex Mrs G. female Private or ~~Hospital~~ Patient
 Caste Christian.
 Occupation Widow Age 49.
 Weight at the time of Consultation 11 stones 3 lbs.
 Duration of the Disease 3 years.
 Family History Her husband died of Diabetes 3 years ago. Other members of the family alright.

Past History of the Patient $2\frac{1}{2}$ years ago had an abscess in the left thigh, six inches above the knee. After this some scaly eruptions appeared on both legs and her hair became thinner, and on consulting a doctor she came to know that she was passing sugar in the urine.

How Disease was brought to his notice

Condition of Patient at the time of Consultation When I saw her she was a fat and healthy looking lady. There were some scars of old boils on the abdomen and legs. There were scaly patches of Psoriasis over both legs and arms. Right heel was cracked and painful to her. She drank lot of water and passed urine in proportion. She slept badly and was a bit drowsy. Some of her teeth were decayed but there was no smell of Acetone.

Examination of Urine:

Quantity in 24 hours 72 ozs.
 Reaction acid.
 Physical Properties Pale straw coloured without Acetone smell.
 Specific Gravity 1032.
 Albumen none.
 Sugar daily total 75 grammes, 5 p.c. in the specimen on ordinary diet.
 Gerhard's Test negative.
 Microscopic

Examination of Blood

Progress With milk diet and Opium her condition improved, although sugar in pathological quantity still
 Result remained in the urine when I saw her last.

Complications

Post Mortem

Name and Sex Mt.G. female Private or ~~Hospital~~ Patient
Caste hindu.
Occupation Married. Age 37.
Weight at the time of Consultation 6 stones 7 lbs.
Duration of the Disease 3 months
Family History Good. Four children alive an healthy. One died
 of Pneumonia and one from wasting.

Past History of the Patient Had Jaundice four years ago and has had several attacks of Malarial fevers also. About three months ago she had severe pain in the stomach with sickness and diarrhoea which lasted several weeks and she was treated for Jaundice. Gall stones were also found in her foeces and also sugar in the urine.

How Disease was brought to his notice

Condition of Patient at the time of Consultation

When I saw her she was thin, weak and slightly icteric, the Conjunctivae being of yellow tinge. Abdomen was flaccid and coils of bowels could be felt through it, their muscular coat being hypertrophied. There was little tenderness in the iliac region and slight tenderness in the Epigastrium. Liver edge could be felt below the Costal margin. The calves were also tender. Knee jerks diminished. Lungs normal. Heart, 2nd sound accentuated at the base. Spleen enlarged and could be felt.

Examination of Urine:

Quantity in 24 hours	58 ozs.	
Reaction	acid.	
Physical Properties	Deeply coloured without Acetone smell.	
Specific Gravity	1040.	
Albumen	none.	
Sugar daily Total	50 grammes, 4.6 c.	in the specimen on usual diet.
Gerhardt's Test	negative.	
Microscopic		

Examination of Blood

Progress	Milk diet and Jambul powder relieved her immensely.
Result	Her Jaundice disappeared and also the sugar. Olive oil was also very useful in this case.

Complications

Post Mortem

Name and Sex	G.L. male	Private or Hospital Patient
Caste	Hindu.	
Occupation	Contractor.	Age 49.
Weight at the time of Consultation	8 stones $4\frac{1}{2}$ lbs.	
Duration of the Disease	Two years.	
Family History	Good.	

Past History of the Patient

The man never had any serious illness until four weeks ago when he had a Dyspeptic attack followed by uneasiness in the stomach without any sickness or vomiting. This was followed by shortness of breath on exertion, and now his eyesight has been failing which made him consult a doctor again. He had lost heavily on a contract 2 years ago which had given him a lot of anxiety and trouble. Sugar was then found in the urine on examination.

Condition of Patient at the time of Consultation Thin wiry looking man. Complained of shortness of breath on exertion, pain in the stomach and failing vision especially in the left eye. No sickness, no vomiting, and no pain on taking food. Bowels costive, stomach dilated a bit. Teeth alright, Spleen enlarged, Lungs normal. Heart hypertrophied a bit. Gets frequent attacks of insomnia and pains in the legs. Left eye disc had several haemorrhagic spots.

Examination of Urine:

Quantity in 24 hours	58 ozs.
Reaction	acid.
Physical Properties	colourless fluid without smell of Acetone.
Specific Gravity	1030.
Albumen	Present.
Sugar daily	Total 65 grammes, 4 p.c. in the specimen after ordinary food.
Gerhardt's Test	negative.
Microscopic	Several squam. Epithelial cells but no casts and no crystals.

Examination of Blood

Progress	There was evidently a touch of chronic Nephritis added in this case. He was kept on milk diet
Result	with which his condition improved, but sugar still remained in the urine. Jambul was given to him in the shape of drug, and seemed to have done him good.
Complications	

Post Mortem

Name and Sex	G.L. male	Private or Hospital Patient
Caste	Christian.	
Occupation	Teacher	Age 53.
Weight at the time of Consultation		7 stones 7 lbs.
Duration of the Disease		15 months
Family History		Good.

Past History of the Patient No previous illness. Has been in the habit of drinking beer for over 25 years, but not to any excess. Had attacks of Malarial fevers.

How Disease was brought to his notice 15 months ago he had an acute attack of thirst and the doctor then told him that he had sugar in the urine. Since then he has been losing flesh and strength.

Condition of Patient at the time of Consultation
Pain across the abdomen. General weakness and wasting. Takes food well. No sickness, no vomiting, teeth alright, no smell of Acetone, weakness steadily increasing. Has excessive thirst and has lost flesh. Bowels costive. Liver enlarged. Lungs and Heart normal. Sight not so good as it used to be. Spleen enlarged.

Examination of Urine:

Quantity in 24 hours	147 ozs.
Reaction	acid.
Physical Properties	Pale straw coloured with greenish tinge.
Specific Gravity	1047. No smell of Acetone.
Albumen	none.
Sugar daily	Total 240 grammes, 9 p.c. in the morning specimen on usual food.
Gerhardt's Test	negative.
Microscopic	no casts.

Examination of Blood

Progress	With moderation in diet, exercise and Opium the urine decreased to 60 ozs. Sp.Gr. still remained
Result	1035, and percentage of sugar was reduced to 5 in the course of a month. The man afterwards left the station and I lost sight of him.
Complications	

Name and Sex G.L. male Private or ~~Hospital~~ Patient
 Caste Hindu.
 Occupation Contractor. Age 44.
 Weight at the time of Consultation 13 stones 7 lbs.
 Duration of the Disease Six months.
 Family History Obesity in the family. Mother neurotic.

Past History of the Patient

Has been stout from his youth. Had several attacks of Malarial fever and no other serious illness. He attributed his present illness to the contract on the ~~Shwela~~ *Shwela* Canal where he had constant worry and trouble with his workmen. He had an acute attack of thirst six months ago, and on examination of his urine, sugar was found in it.

Condition of Patient at the time of Consultation

When I saw him he had a Ptosis of the left eye which he attributed to cold. There was no other sign of Paralysis. He was sleepless on account of the worry and frequency of micturition. Otherwise he looked healthy and strong. His teeth were alright and bowels regular, but thirst and polyuria were excessive. No smell of Acetone.

Examination of Urine:

Quantity in 24 hours	185 ozs.
Reaction	acid
Physical Properties	Colourless watery fluid without smell
Specific Gravity	1045. of Acetone.
Albumen	absent.
Sugar dailyTotal	200 grms. 8 p.c. in the specimen after usual meal.
Gerhardt's Test	negative.
Microscopic	

Examination of Blood

Progress The man was a strict vegetarian. I put him on a purely milk diet and Opium and his recovery was most gratifying. In the course of a month the quantity of sugar was reduced to 30 grammes a day, and the amount of urine to 48 ozs. During the next three years I saw him occasionally and his condition was good although the man had still a pathological quantity of sugar in the urine. Later I replaced Opium by Jambul and with its help he was able to assimilate about 8 ozs. of bread.

Result

Complications

Post Mortem

Name and Sex G.L. male Private or ~~Hospital~~ Patient
 Caste Hindu.
 Occupation Subjudge. Age 47.
 Weight at the time of Consultation 13 stones 8 lbs.
 Duration of the Disease Six years.
 Family History Belongs to neurotic family. Father died of
 Diabetes. One brother also died of the same
 complaint.

Past History of the Patient Never had any serious illness, but in his
 youth was addicted to masturbation and several years
 after suffered from neurasthenia. Six years ago
 he had a violent fit of anger after which he felt
 exceedingly thirsty which persisted for several days,
 gradually getting worse. On consulting a doctor
 he was told that he was passing sugar in the urine.
 How Disease was brought to his notice

Condition of Patient at the time of Consultation

Somewhat pale and anxious looking. Teeth all in
 good order, thirst moderate and appetite good.
 Complained of disturbed sleep on account of frequency
 of micturition and impaired sexual power. No other
 symptom.

Examination of Urine:

Quantity in 24 hours	48 ozs.
Reaction	acid.
Physical Properties	pale straw coloured.
Specific Gravity	1032.
Albumen	absent.
Sugar daily Total	20 grammes, 2 p.c. in the specimen after ordinary food.
Gerhardt's Test	negative.
Microscopic	no casts.

Examination of Blood

Progress With moderation in carbohydrates and daily exercise
 Result and cool temper his condition has decidedly improved.
 For a month I gave him Opium and afterwards it was
 discontinued.
 Complications

Post Mortem

Name and Sex	G.S. male	Private or Hospital Patient
Caste	Hindu.	
Occupation	Civil Judge.	Age 52.
Weight at the time of Consultation	10 stones 6 lbs.	
Duration of the Disease	14 years.	
Family History	Good.	

Past History of the Patient Never had any serious illness. Habits regular and steady, and strictly vegetarian. Has always been of studious habits and hard working. On account of his official position he had to undergo a lot of mental strain. Present illness came on insidiously, and he is not aware about its exact onset. About 14 years ago when he was once very thirsty and sleepless he remembers having consulted a doctor, and he told him that there was sugar in the urine. Formerly he used to have crops of boils every year, but none now for the last six or seven years. Of late he has become very weak and restless.

How Disease was brought to his notice

Condition of Patient at the time of Consultation

Pale and anxious looking and prematurely grey. Complains of extreme weakness, being quite unable to walk any distance. Teeth mostly gone and most of the remaining ones are loose. Smell of Acetone. Suffers from insomnia. Makes water once or twice every night. Eyesight still good.

Examination of Urine:

Quantity in 24 hours	96 ozs.
Reaction	acid.
Physical Properties	colourless watery fluid.
Specific Gravity	1040.
Albumen	Present.
Sugar dailyTotal	115 grammes, 6p.c. in the specimen after usual meal.
Gerhardt's Test	Present.
Microscopic	No casts.

Examination of Blood

Progress	On absolute diet glucose did not disappear from the urine, but with Opium and moderation in carbohydrates
Result	the quantity and percentage of sugar both diminished, and he was able to enjoy some sleep. I recommended him leave to have rest from his official worries.
Complications	Two years after I heard that he had a Carbuncle and died.

Post Mortem

Name and Sex G.S. male Private or ~~Hospital~~ Patient

Caste Hindu.

Occupation Govt. Service. Age 51.

Weight at the time of Consultation 135 lbs.

Duration of the Disease 13 years.

Family History Parents dead and were healthy. Five brothers and sisters, all healthy, but his eldest son developed Diabetic symptoms at the age of 26, and died of Carbuncle about 10 years after his father.

Past History of the Patient

As a judge he had to work very hard and neglect exercise. Strict vegetarian, and had been fond of sweet things. Total abstainer. Had good deal of worry in trying cases. Never had any other serious illness.

How Disease was brought to his notice

About 13 years ago excessive thirst and frequent micturition, especially at night attracted his attention and a doctor, on examining the urine informed him that there was sugar in it.

Condition of Patient at the time of Consultation

Complained of weakness in spite of good appetite, got tired very soon when trying cases, had to drink water frequently in the court. Felt drowsy, found difficulty in following witnesses when trying cases. Had no desire to work. In spite of a hearty meal felt hungry very soon. In spite of repeated treatment by several doctors his condition did not improve. No sign of arterial degeneration.

Examination of Urine:

Quantity in 24 hours 60 ozs.

Reaction acid.

Physical Properties clear, pale yellow fluid without any sediment.

Specific Gravity 1039.

Albumen none.

Sugar daily Total 80 grammes, 6 p.c. in the morning specimen

Gerhardt's Test negative. on unusual diet.

Microscopic Nothing special except some crystals of Oxalate of Calcium.

Examination of Blood

Deficiency of red blood corpuscles and increase

Progress

in Leucocytes.

Result

I saw him only once more after the consultation about two years after and he appeared to me very much in the same condition. About 2 years after I heard of his death from Carbuncle. He would not take leave.

Complications

Drugs did him no good.

Post Mortem

Name and Sex G.S.R. male Private or ~~Hospital~~ Patient
 Caste Brahmo.
 Occupation clerk Age 44.
 Weight at the time of Consultation 119 lbs.
 Duration of the Disease Six years.
 Family History Father died of Diabetes, mother still alive and well. One sister used to have hysterical attacks while young.

Past History of the Patient Total abstainer and vegetarian. Habits sedentary. Married and used to be fond of sexual intercourse. Very fond of sweet things. Inclined to be religious. Given to deep thinking and hard reading.

How Disease was brought to his notice

Thirst and polyuria attracted his attention, six years ago, and since then he has been treating himself without much good.

Condition of Patient at the time of Consultation

Had emaciated look with sweetish odour from the mouth. Teeth decayed and about half gone. Sleepless at night and drowsy during the day. Unable to do any work. Suffers from mental depression, and memory has become imperfect. Sexual power entirely gone. Knee jerks absent.

Examination of Urine:

Quantity in 24 hours	80 ozs.
Reaction	acid.
Physical Properties	Pale straw coloured with mucous cloud.
Specific Gravity	1040.
Albumen	none.
Sugar daily	Total 42 grammes, 5 p.c. in the specimen on usual food.
Gerhardt's Test	Positive.
Microscopic	No casts.

Examination of Blood

Progress Went from bad to worse, and died.

Result

Complications Carbuncle in the neck.

Post Mortem

Name and Sex H.A.K. male Private or ~~Hospital~~ Patient
 Caste Mahomedan.
 Occupation Law Age 54.
 Weight at the time of Consultation 9 stones.
 Duration of the Disease 17 years.
 Family History good.

Past History of the Patient

Never had any serious illness. Has been fond of sexual excesses and hard mental work. His present illness started after a prolonged mental strain which he had to bear in an intricate legal case. On account of the ~~hard~~ study of the case he had to neglect his usual exercise, and as he was feeling very thirsty and weak he consulted a doctor, How Disease was brought to his notice and came to know that there was sugar in the urine. Since then, although he has taken care of himself he has never been able to get rid of glycosuria; it has been persistent.

Condition of Patient at the time of Consultation

When I saw him his teeth were all gone and he looked a bit emaciated, but not very much, and although his urine gave distinct reaction of pathological quantity of sugar he had none of the distressing symptoms.

Examination of Urine:

Quantity in 24 hours 50 ozs.
 Reaction acid.
 Physical Properties Pale straw coloured w.o. Acetone smell
 Specific Gravity 1029.
 Albumen none.
 Sugardaily Total 30 grammes, 2 p.c. with specimen on
 Gerhardt's Test negative. ordinary diet.
 Microscopic

Examination of Blood

Progress Opium and various other drugs were tried but Jambul
 Result powders suited his case best, and with their help,
 moderate exercise and care in diet he has been
 able to live so far without much discomfort.

Complications

Post Mortem

Name and Sex	H.B.	Private or Hospital Patient
Caste	Hindu.	
Occupation	Railway clerk.	Age 47.
Weight at the time of Consultation	9 stones 8 lbs.	
Duration of the Disease	2 years.	
Family History	good.	

Past History of the Patient had no serious illness. Sometimes he neglected his meals and lived entirely on sweet things. Total abstainer and has always been steady. Two years ago, owing to thirst he consulted the Railway doctor, and came to know that there was sugar in the urine.

How Disease was brought to his notice

Condition of Patient at the time of Consultation

Complained of pain in the chest and abdomen, weakness and frequency of micturition. The pain, he said, was running through his left arm right up to the finger tips. Got up at night three or four times. Thirst was proportionately more. Bowels costive. Tongue coated and teeth alright. No smell of Acetone.

Examination of Urine:

Quantity in 24 hours	157 ozs.
Reaction	acid.
Physical Properties	No acetone smell.
Specific Gravity	1030.
Albumen	absent.
Sugar dailyTotal	120 grammes, 3 p.c. in the morning specimen
Gerhardt's Test	negative. on usual food.
Microscopic	

Examination of Blood

Progress	With correction of diet and fresh Jambul powder
Result	his condition showed decided improvement in the course of a month, and eventually he got over all the diabetic symptoms. I saw him once more: he was then in good health although there was still
Complications	sugar in the urine in small quantity.

Post Mortem

Name and Sex	H.C.	male	Private or Hospital Patient
Caste	Hindu.		
Occupation	Clerk.	Age	46.
Weight at the time of Consultation	8 stones 8 lbs.		
Duration of the Disease	5 years.		
Family History	good.		

Past History of the Patient

The patient never had any serious illness until 5 years ago when he noticed that he was drinking more than usual quantity of water and passing water frequently. At the same time he felt very weak as if no strength was left in him.

How Disease was brought to his notice

He consulted a doctor and he was told that the cause of his trouble was Diabetes. Since then he has been under treatment more or less.

Condition of Patient at the time of Consultation

When I saw him he was extremely irritable, peevish and short tempered. His sleep was poor and sexual power completely gone. Complained of pain in the calf muscles. He drank large quantities of water, and made water nearly every three hours. Appetite was not excessive. Tongue was raw and ham coloured and teeth partly carious. There were no eye symptoms.

Examination of Urine:

Quantity in 24 hours	120 ozs.
Reaction	acid.
Physical Properties	colourless fluid w.o. Acetone smell.
Specific Gravity	1040.
Albumen	none.
Sugar daily Total	160 grammes, 5p.c. in the specimen on usual diet.
Gerhardt's Test	negative,
Microscopic	no casts or cells.

Examination of Blood

Progress	With purely milk diet and Jambul powders the quantity of sugar and urine were reduced to less than half in the course of six weeks. A week after he had an attack of Influenza which pulled him down very much. The same year he developed a carbuncle and died.
Result	
Complications	

Post Mortem

Name and Sex H.G. male Private or ~~Hospital~~ Patient
 Caste Christian.
 Occupation Skipper. Age 42.
 Weight at the time of Consultation 154 lbs.
 Duration of the Disease Six months.
 Family History Good.

Past History of the Patient Fond of good table and drinks; limited exercise; disturbed sleep and of neurotic temperament. Never had any serious illness.

How Disease was brought to his notice
 By frequency of micturition and ants and insects getting into the chamber pot, his attention was drawn to his urine and a doctor on examination found sugar in it.

Condition of Patient at the time of Consultation

Pale and sallow looking, feeling weak and exhausted, lost a stone and a half in weight, old clothes having become loose within the last three months. Sweetish odour from the breath, had to make water every three or four hours, appetite good. Had become irritable in temper.

Examination of Urine:

Quantity in 24 hours 96 ozs.
 Reaction acid.
 Physical Properties Clear, water like fluid without any colour, sweetish odour.
 Specific Gravity 1032.
 Albumen none.
 Sugar ~~daily~~ Total 65 grammes, 3p.c. after ordinary diet.
 Gerhard's Test negative.
 Microscopic

Examination of Blood

Progress I tried Jambul seed powder on him and with this his power of assimilating carbohydrates decidedly improved and glycosuria and polyuria both diminished. He was directed to use moderation and discretion in his food and drinks if he wanted to live, and in two month's time he was decidedly better. I advised him to take some leave and have rest. Next time when I saw him, about 3 years after, he looked quite a different man and there was just a trace of sugar in the urine.

Result

Complications

Post Mortem

Name and Sex H.K. male Private or ~~Hospital~~ Patient
 Caste Hindu.
 Occupation Teacher. Age 52.
 Weight at the time of Consultation 13 stones 5 lbs.
 Duration of the Disease 9 years.
 Family History Father gouty and neurotic. Adiposity in the family.

Past History of the Patient Never had any serious illness. Very fond of reading and teaching. Not keen on exercise. Neurasthenic in temperament.

How Disease was brought to his notice

Nine years ago he used to feel tired and worn out, and had an attack of acute thirst. On examination of the urine glucose was found in it.

Condition of Patient at the time of Consultation

His present complaint is insomnia. Some teeth gone, some are carious, bowels costive, appetite good. Had eczema on the back. Had some trouble with the toes, probably of gouty origin. Eyesight good. No heart or lung trouble. Temper irritable. Anger always made him more thirsty.

Examination of Urine:

Quantity in 24 hours	70 ozs.
Reaction	acid.
Physical Properties	Pale straw coloured fluid.
Specific Gravity	1030.
Albumen	absent.
Sugar daily Total	46 grammes, 2.5 per cent after usual food.
Gerhardt's Test	negative.
Microscopic	No casts or Epithelial cells.

Examination of Blood

Progress With some restriction in carbohydrates, and exercise
 Result specific gravity came down to 1024, and glucose was reduced to $1\frac{1}{2}\%$. As a medicine Jambul was given. After exercise he slept better.

Complications

Post Mortem

Name and Sex H.S. male Private or Hospital Patient
 Caste Sikh.
 Occupation Goods clerk. Age 42.
 Weight at the time of Consultation 139 lbs.
 Duration of the Disease Two years.

Family History Father had Diabetes and was a stout person and died at the age of 67. Mother still alive and in good health. One brother and two sisters in the family and all healthy.

Past History of the Patient

In his younger days the patient was in the habit of Masturbation but later on he gave it up. For the last 17 years he has been in the Goods Department of the railway, where he had to work in places filled with all sorts of merchandise. His work was also of sedentary nature. Two years ago he noticed that he had excessive thirst and had to drink lot of water, and was also passing enormous quantities of urine. This made him consult a doctor.

Condition of Patient at the time of Consultation

When I saw him he looked emaciated for his size and was very pale. His teeth were still sound, but there was smell of Acetone in his breath. His sleep was disturbed on account of frequent micturition - getting up at night two or three times. He felt weak and depressed. Sexual power very poor. His memory was also failing. Bowels were costive.

Examination of Urine:

Quantity in 24 hours	58 ozs.
Reaction	acid.
Physical Properties	Pale straw coloured with sweetish odour.
Specific Gravity	Mucous cloud in the upper part. 1037.
Albumen	none.
Sugar daily Total	40 grammes, 4.6 per cent on unrestricted diet.
Gerhardt's Test	Positive.
Microscopic	No sediment or casts.

Examination of Blood

Progress He was too poor to give up his work. Got gradually worse and died of a Carbuncle on the back in the course of a year.

Result

Complications

Post Mortem

Name and Sex J.B. male Private or ~~Hospital~~ Patient
 Caste Mahomedan.
 Occupation Merchant. Age 49.
 Weight at the time of Consultation 13 stones 9 lbs.
 Duration of the Disease Five years.
 Family History Father died of Diabetes.

Past History of the Patient

Five years ago he had an acute attack of thirst. He has always been fat as far back as he can remember, and as he feels tired on exertion, takes very little exercise. Has been fond of women. Has had several attacks of gout during the last ten years.

How Disease was brought to his notice

After the attack of thirst his urine was examined and sugar found in it.

Condition of Patient at the time of Consultation

Very fat and gouty. Sleep good. Bowels inclined to be costive, on account of which he takes occasional dose of salts. Teeth partly gone and partly affected with caries. Knee jerks present. Heart somewhat weak and dilated. Lungs normal. Vision defective on account of Optic Neuritis in the right eye. No smell of Acetone. Had gouty Eczema on the back.

Examination of Urine:

Quantity in 24 hours	50 ozs.
Reaction	acid.
Physical Properties	Pale straw coloured. No Acetone.
Specific Gravity	1032.
Albumen	absent.
Sugar	Total 10 grammes. 1 p.c. after usual food.
Gerhardt's Test	negative.
Microscopic	no casts.

Examination of Blood

Progress With care in diet and systematic exercise he has been doing well. Drugs did him no good in stopping the excretion of sugar.

Result

Complications

Post Mortem

Name and Sex J.C. male Private or Hospital Patient
 Caste Hindu.
 Occupation Banker. Age 48.
 Weight at the time of Consultation 14 stones 10 lbs.
 Duration of the Disease -----

Family History Good, except that there is adiposity in the family,
 and father was highly neurotic.

Past History of the Patient

Never had any serious illness except costiveness which has troubled him for the last five years. After the age of 20 he put on flesh, and has been fat since then. His habits have always been sedentary. He is total abstainer and strictly vegetarian. Always fond of milk, sugar and fats. How Disease was brought to his notice He was not aware that there was sugar in the urine until I pointed this out to him. He had come to see me for impotency.

Condition of Patient at the time of Consultation

Very fat, nervous and melancholy looking man. Complained of constipation, flatulence and bad sleep. Had weak sexual power, and got easily tired by physical or intellectual exertions. Teeth alright and appetite good. Thirst was not excessive, but there was frequency of micturition especially at night, he having to get up three or four times.

Examination of Urine:

Quantity in 24 hours 70 ozs.
 Reaction acid.
 Physical Properties colourless fluid w.o. smell of Acetone.
 Specific Gravity 1029.
 Albumen absent.
 Sugardaily Total 36 grammes, 2 p.c. on usual food.
 Gerhardts Test negative.
 Microscopic No casts, but crystals of Oxalate of Calcium in great abundance.

Examination of Blood

Progress With moderation in diet and exercise his condition improved without any special drug for Diabetes.
 Result Tonic mixture was all that was given to him.

Complications

Post Mortem

Name and Sex J.H. Private or ~~Hospital~~ Patient
 Caste Christian.
 Occupation Forest officer Age 32.
 Weight at the time of Consultation 10 stones 11 lbs.
 Duration of the Disease 15 days.
 Family History Good.

Past History of the Patient Had repeated attacks of Malarial fever of tertian and quotidian type. Had no other serious illness. Not much in the habit of drinking.

How Disease was brought to his notice

Noticed by the medical officer while attending the case.

Condition of Patient at the time of Consultation

Pale and sallow looking. Sleep bad and appetite poor. System saturated with Malarial poison. Spleen enlarged. Bowels costive. Eyes show a jaundiced look, and Liver somewhat tender. Gets fever every alternate day for the last 15 days. Drank large quantity of water and passed urine more frequently than usual.

Examination of Urine:

Quantity in 24 hours	65 ozs.
Reaction	acid.
Physical Properties	High coloured with lot of Urates.
Specific Gravity	1030.
Albumen	none.
Sugar	Total 25 grammes, 1.5p.c. on usual diet.
Gerhardt's Test	negative.
Microscopic	no casts.

Examination of Blood Malarial parasites and increase of Leucocytes.

Progress With Quinine and Arsenic his condition improved in the course of a month and glycosuria also disappeared.
 Result Red cells diminished.

Complications

Post Mortem

Name and Sex J.L. male Private or ~~Hospital~~ Patient
 Caste Hindu.
 Occupation Student. Age 10.
 Weight at the time of Consultation 3 stones 10 lbs.
 Duration of the Disease Three months.
 Family History Diabetes in the family.

Past History of the Patient Had Measles and Small-pox, the last, three years ago which left him very delicate. Three months^{ago} he was noticed drinking large quantity of water, and wetting his clothes at night. On examination of his urine large quantity of sugar was found in it.

How Disease was brought to his notice Beyond thirst and frequency of micturition noting abnormal was found in this boy. His heart and Lungs were normal and he complained of no pain. His Condition of Patient at the time of Consultation appetite^{lv} also was not unusual. There was a smell of Acetone from his breath and he looked drowsy.

Examination of Urine:

Quantity in 24 hours 124 ozs.
 Reaction acid.
 Physical Properties Colourless watery fluid. No smell of Acetone.
 Specific Gravity 1042.
 Albumen a trace.
 Sugar daily^{Total} 260 grammes, 9 p.c. in the specimen on usual diet.
 Gerhard's Test negative.
 Microscopic no casts or cells.

Examination of Blood

Progress Milk diet and Opium reduced his urine to 70 ozs, and sugar to 50 grammes daily in the course of a month. I did not see this child again. This, Result too, most likely, was a case of Pancreatic Diabetes, due, perhaps, to the changes produced by Small-pox in his system.
 Complications

Name and Sex J.L. male Private or ~~Hospital~~ Patient
 Caste hindu.
 Occupation Teacher. Age 42.
 Weight at the time of Consultation 9 stones 8 lbs
 Duration of the Disease Two years.
 Family History Lunacy and neurasthenia in the family.

Past History of the Patient

Had Enteric 12 years ago and usual attacks of Malaria occasionally. Had no other illness. Present illness came on two years ago when he had an acute attack of pain in the legs which were rendered useless for a time as he felt giddy whenever he tried to get about. His thirst was great and frequent micturition troublesome. On consulting a doctor he came to know that there was sugar in the urine.

Condition of Patient at the time of Consultation

Looked considerably wasted and anaemic. Mouth dry, tongue red, many teeth fallen out. Sweet odour from the mouth. Skin dry and harsh. Calves tender. Knee jerks absent. Some scars of healed ulcers on the legs and under the feet. Lungs emphysematous. No adventitious sounds. Cardiac dullness diminished and heart sounds weak. Abdomen normal in appearance. Complained of sleeplessness and defective memory. Anger made him worse

Examination of Urine:

Quantity in 24 hours 166 ozs.
 Reaction acid.
 Physical Properties colourless watery fluid with sweet odour.
 Specific Gravity 1035.
 Albumen a trace.
 Sugar daily Total 300 grammes, 7 p.c. in the specimen on usual diet.
 Gerhardt's Test negative.
 Microscopic

Examination of Blood

Progress With milk diet and Jambul powders his condition improved very much, the sugar having gone down to 45 grammes a day and urine to 50 ozs. Later he was directed to use crushed nuts in his food, as much as he could digest. I saw him last year, after three years and he looked decidedly better, although there was still sugar in the urine.

Post Mortem

Name and Sex J.P.O. male Private or ~~Hospital~~ Patient
 Caste Christian.
 Occupation Govt. Service. Age 52.
 Weight at the time of Consultation 151 lbs.
 Duration of the Disease Six months.
 Family History Parents died and were healthy.

Past History of the Patient Had good deal of responsible work during his long Government service extending over 25 years. He took to excessive smoking to soothe his nerves. This brought on insomnia and palpitation and six months ago he had an acute attack of thirst with polyuria which made him very weak and on consulting a doctor he came to know that he was suffering from smokers' heart and had also sugar in the urine. He also had Internal Piles.

Condition of Patient at the time of Consultation When I saw him he looked a bit prematurely old and pale. His hands were shaky and heart's action quick and irregular. No murmurs. Tongue dry and coated. Had Internal Piles for several years, for which he was operated on 5 years ago. Bowels still inclined to be costive. Teeth good. Vision usual. Lungs emphysematous. Liver normal.

Examination of Urine:

Quantity in 24 hours 72 ozs.
 Reaction acid.
 Physical Properties Pale straw coloured without Acetone.
 Specific Gravity 1029.
 Albumen none.
 Sugar daily Total 30 grammes, 2 p.c. in the specimen on Gerhardt's Test negative. usual food.
 Microscopic

Examination of Blood

Progress He gave up smoking, within three months, with an occasional dose of Bromide and Jambul powders, his heart and hands became steady and the quantity of sugar and urine very much diminished. I saw him after about 4 years and he looked in fairly good health.
 Result
 Complications

Post Mortem

Name and Sex Mr. J. W. male Private or ~~Hospital~~ Patient
 Caste Native Christian.
 Occupation Jail official. Age 36.
 Weight at the time of Consultation 11 stones 4 lbs.
 Duration of the Disease 3 months.
 Family History Good.

Past History of the Patient

With the exception of occasional attacks of Malarial fevers never had any serious illness. His present illness commenced three months ago with excessive thirst and frequent micturition. As he also felt weak he consulted me, and on examination of urine I found sugar in it. He was a man of steady habits, not given to excess of any kind and seldom indulged in alcohol.

Condition of Patient at the time of Consultation

He was a healthy looking young man and the presence of sugar in the urine was a surprise to me. Beyond thirst, polyuria and sugar in the urine he had no other symptoms of the disease. Sleep was disturbed on account of frequency of micturition. No smell of Acetone.

Examination of Urine:

Quantity in 24 hours	80 ozs.
Reaction	acid.
Physical Properties	colourless watery fluid without Acetone
Specific Gravity	1035. smell.
Albumen	none.
Sugar daily	Total 70 grammes, 5 p.c. in the specimen after usual meal.
Gerhardt's Test	negative.
Microscopic	no casts.

Examination of Blood

Progress	The effect of Jambul in this case was very gratifying. Within a fortnight his urine came down to 50 ozs and sugar reduced to less than half in quantity. He went on taking these powders whenever he felt out of sorts. I saw him 11 years after. He was still at his post and carrying out the responsible duties of the Chief Jailer in one of the central jails in Burma.
Result	
Complications	

Post Mortem

Name and Sex	Mt.K. female	Private or Hospital Patient
Caste	Hindu.	
Occupation	Married	Age 30.
Weight at the time of Consultation	not taken.	
Duration of the Disease	One month.	
Family History	Good.	

Past History of the Patient

The patient has always been delicate in health but the confinements have been fairly easy. Has had several attacks of Malarial fever since her marriage. Present confinement is the sixth. Two of the six children are dead. One died of Diarrhoea and another of Measles. She does not remember anything wrong with her urine on the previous

How Disease was brought to his notice

occasions, but insects in the urine this time attracted her attention and she also noticed that she drank more water and passed more than she ever did in her life before. Beyond these two

Condition of Patient at the time of Consultation

symptoms she had no other complaint. There was no itchiness in any part of the body. She was short of three teeth which on account of having become loose had to be taken out.

Examination of Urine:

Quantity in 24 hours	50 ozs.
Reaction	acid.
Physical Properties	pale straw coloured with sweetish odour.
Specific Gravity	1031.
Albumen	a trace.
Sugar daily	Total 25 grammes, 2 p.c. in the specimen after usual diet.
Gerhardt's Test	negative.
Microscopic	no casts or sediment.

Examination of Blood

Progress

Result

Complications

Sugar was withdrawn from her food. Milk was freely given. With the termination of lactation the sugar also disappeared from the urine. I saw her 2 years ago after about 10 years, and she was in her usual health. There were altogether seven children in the house at the time of my last visit and all looked healthy. All these were suckled by this lady. In this case both Lactose and glucose were present.

Post Mortem

Name and Sex Mt.K. female Private or ~~Hospital~~ Patient
 Caste Hindu.
 Occupation Married. Age 30.
 Weight at the time of Consultation 7 stones 7 lbs.
 Duration of the Disease Six months.
 Family History Belongs to neurotic family.

Past History of the Patient Mother of six children. Never had any trouble with her confinements and with the exception of occasional Malarial attacks never had any other serious illness. Was a spoilt child of her parents, and has been short tempered and emotional always. Her last confinement was six months ago and she attributed her present illness to this, as just about a month after this she began to feel very thirsty and weak, and a doctor on examination had found sugar in her urine.

How Disease was brought to the notice

Condition of Patient at the time of Consultation

When I saw her she appeared to be a well nourished person, and her chief complaint was weakness and thirst. She had pain in her back on account of which she said she was unable to sleep. Nothing could be felt on palpation. Bowels were regular and internal organs normal. She had very bad temper and any small thing which she did not like was enough to throw her into a fit of anger.

Examination of Urine:

Quantity in 24 hours 59 ozs.
 Reaction acid.
 Physical Properties Pale straw coloured without Acetone smell.
 Specific Gravity 1029.
 Albumen none.
 Sugar daily Total 40 grammes, 2.5p.c. in the specimen on ordinary food.
 Gerhardts Test negative.
 Microscopic

Examination of Blood

Progress This at first, I thought was a case of glycosuria due to lactation, but as the sugar persisted and did not disappear when lactation was over I had to classify it as a mild case of Diabetes of neurogenous origin. Opium was given in the beginning and it proved to be very effectual, but it caused costiveness in spite of milk diet. I then used Jambul powders, and found them also very effective. After several years I saw this lady again and she was quite well and had no knowledge of passing sugar in the urine.

Result

Complications

Post Mortem

Name and Sex Mt.K. female Private or ~~Hospital~~ Patient
 Caste Mahomedan.
 Occupation married Age 41.
 Weight at the time of Consultation 8 stones 2 lbs.
 Duration of the Disease 5 months.
 Family History Good.

Past History of the Patient Had no previous illness beyond usual Malarial fever. Monthlies have been regular until present illness came on, and since then they have been irregular, in fact she has had only one during the last five months. Present complaint started with wasting, thirst and polyuria, and on consulting a doctor she was told that the matter was serious as How Disease was brought to his notice her throat was becoming bigger, and there was sugar in her urine.

Condition of Patient at the time of Consultation

She had an anxious look when I saw her, and her prominent eyes attracted my attention. Thyroid was slightly enlarged and there was sweet smell from the breath. Her temperature was also a little above the normal. There was palpitation. Lungs clear, skin harsh and dry and tongue like raw ham. Some of the teeth were carious.

Examination of Urine:

Quantity in 24 hours 226 ozs.
 Reaction acid.
 Physical Properties Colourless watery fluid with Acetone smell.
 Specific Gravity 1035.
 Albumen none.
 Sugar daily Total 190 grammes, 4 p.c. in the specimen after usual food.
 Gerhardt's Test Present.
 Microscopic No casts.

Examination of Blood

Progress I treated this case for a few days with Jambul, Opium and Arsenic and as on account of the complicated nature of the case I was not able to Result give her any relief she stopped the treatment and I lost sight of her. Later I came to know that she died from heart failure.
 Complications

Name and Sex K.B.S. male Private or ~~Hospital~~ Patient
 Caste hindu.
 Occupation Teacher. Age 48.
 Weight at the time of Consultation 7 stones 9 lbs.
 Duration of the Disease 5 years.
 Family History Father died of Melancholia and mother of cancer of the womb.

Past History of the Patient Had great deal of domestic trouble. Wife died 8 years ago and his three children were left on his hands which caused him a lot of worry. Five years ago he had an attack of Rheumatic fever, and was then said to have Diabetes. Since then he had thirst and a sort of dragging pain at the bottom of the back. as had several attacks of Malarial fever also.
 How Disease was brought to his notice

Condition of Patient at the time of Consultation

Had a wasted and anaemic look. Tongue brownish and furred. Pupils unequal and showed signs of cataract formation. Skin dry and brawny. Breath sweet smelling. Numerous scars of boils on the body. Liver edge 1" below the Costal margin. Knee jerks not obtained, and legs had a wasted look. There was a little puffiness about the ankles. Sensations to touch and pain weak but not lost. Heart sounds weak with a systolic murmur at the apex. Bowels costive.

Examination of Urine: No other eye symptoms.

Quantity in 24 hours 162 ozs.
 Reaction acid.
 Physical Properties colorless fluid with Acetone smell.
 Specific Gravity 1035.
 Albumen Present.
 Sugar daily Total 198 grammes, ~~px~~ 4.5% in the specimen after usual diet.
 Gerhardt's Test Present.
 Microscopic

Examination of Blood

Progress This case was too far advanced for the drugs to be of any use. About a month after I saw him
 Result he became drowsy and in spite of salt injections etc he died of coma.

Complications

Post Mortem

Name and Sex	R.H. male	Private or Hospital Patient
Caste	Mahomedan.	
Occupation	Medical	Age 41.
Weight at the time of Consultation	13 stones 3 lbs.	
Duration of the Disease	3 years.	
Family History	Good.	

Past History of the Patient

Had always been a hard reader. In early manhood he suddenly increased in weight and has been so ever since. In his student days he had an attack of acute thirst and on examination of his urine he noticed a trace of sugar in it. Since then he has been careful in his diet. At the age of 33 How Disease was brought to his notice he had an attack of Enteric since which he has never been the same man. Beyond this he had no other serious illness. For the last three years he has been more or less neurasthenic and Condition of Patient at the time of Consultation troubled with Insomnia.

Looked somewhat pale otherwise in fairly good condition. His chief complaint was insomnia. Teeth normal. Appetite good and thirst not very pressing. Bowels costive. Heart sounds weak. Lungs normal. Gets tired very soon after exertion. Headaches and Insomnia trouble him frequently. Sexual powers impaired.

Examination of Urine:

Quantity in 24 hours	70 ozs.
Reaction	acid.
Physical Properties	Pale straw coloured without Acetone smell.
Specific Gravity	1039.
Albumen	absent.
Sugar dailyTotal	63 grammes xx. 5% after usual meal.
Gerhardt's Test	Negative.
Microscopic	No casts.

Examination of Blood

Progress	With Opium, Jambul and other dietetic cures the case did not improve. After about a year he got worse and gradually succumbed to Diabetic coma.
Result	In this case Pancreas was probably involved.

Complications

Post Mortem

Name and Sex K.M. male Private or ~~Hospital~~ Patient

Caste Mahomedan.

Occupation Student. Age 19.

Weight at the time of Consultation 110 lbs.

Duration of the Disease Six months

Family History Good. Parents alive and healthy. One brother and
and a sister in the family. They also are healthy.

Past History of the Patient was always been very fond of his books and
cared very little for exercise. Had the misfortune
of indulging in Masturbation some years ago. Had
no serious illness previously.

How Disease was brought to his notice Came to consult about nocturnal
emissions, and glycosuria was discovered accidentally
on examination of urine.

Condition of Patient at the time of Consultation

Well fed and healthy looking. No symptoms of
Diabetes except sugar in the urine, due to want
of exercise and old habit of masturbation. He
was unable to concentrate his attention and he
noticed that he did not remember his lessons so
well as he used to do. His vision was alright.
Bowels regular and appetite good.

Examination of Urine:

Quantity in 24 hours 42 ozs.

Reaction acid.

Physical Properties Pale straw coloured without Acetone smell.

Specific Gravity 1022.

Albumen none.

Sugar daily Total 62 grammes, 0.5 p.c. in the morning specimen
Gerhardt's Test negative. on ordinary food.

Microscopic

Examination of Blood

Progress On rectifying his habits and with sufficient
Result exercise his condition improved and nocturnal
emissions as well as sugar disappeared. A year
after when he was working up for his exam. he had
Complications a fresh attack of glycosuria and came to see me again.
With Opium sugar disappeared again. He is now 30
years old and practising as an advocate. He gets
occasional attacks of glycosuria but by dieting and
Opium he overcomes them.

Post Mortem

Name and Sex K.L. male Private or ~~Hospital~~ Patient
 Caste Hindu.
 Occupation Teacher Age 45.
 Weight at the time of Consultation 6 stones 13 lbs.
 Duration of the Disease Seven years.
 Family History nistory of Diabetes in the family.

Past History of the Patient

had Measles in childhood and usual attacks of Malarial fever. No other illness. Seven years ago he noticed that he was getting weaker and losing flesh. After this he noticed that he was drinking more water than usual and passing a large quantity of urine. His appetite remained normal.

How Disease was brought to his notice On consulting a doctor sugar was found in the urine. Of late he has become worse.

Condition of Patient at the time of Consultation

When I saw him he looked pale and emaciated. Judging from his chest he must have lost over 2 stones in weight. He complained of tenderness in the right calf and general weakness. His gums were swollen and spongy and some teeth were loose and decayed. No smell of Acetone. He slept badly. Spleen was slightly enlarged, and so was Liver.

Examination of Urine:

Quantity in 24 hours 78 ozs.
 Reaction acid.
 Physical Properties Pale straw coloured without smell of
 Specific Gravity 1048. Acetone.
 Albumen none.
 Sugardaily Total 240 grames, 11p.c. in the specimen on
 Gerhardt's Test Negative. ordinary diet.
 Microscopic

Examination of Blood

Progress Opium responded in this case in a marked manner.
 Result In the course of a month with milk diet and
 Opium, the sugar was reduced to less than 100
 grammes a day, and his general condition improved
 proportionately. After 5 years I saw him again,
 Complications three years ago and he looked decidedly better than
 when he did when I saw him for the first time. He
 was still taking Opium and although there was still
 some sugar in the urine he had no bad symptoms,
 although the sugar had persisted in the urine for
 15 years.

Post Mortem

Name and Sex K.S. male Private or ~~Hospital~~ Patient
 Caste hindu Sikh.
 Occupation Railway official Age 25.
 Weight at the time of Consultation 9 stones 13 lbs.
 Duration of the Disease 3 months.
 Family History good.

Past History of the Patient Has been in the habit of Masturbation in his school days. Has had no serious illness so far. Since he got this employment three years ago he has been in the habit of drinking, but not much. Three months ago he had an acute attack of thirst for which he had to drink water whole day. Somebody advised him to eat acid things in abundance. This he did, and although the thirst was less he noticed that he was passing large quantities of urine, and on examination sugar was found.

Condition of Patient at the time of Consultation

Healthy looking young man. Thirst and want of sleep were his chief complaints. He also complained of general weakness, as if he had no strength to work. His teeth were alright. Appetite good.

Examination of Urine:

Quantity in 24 hours 97 ozs.
 Reaction acid.
 Physical Properties Pale straw coloured without Acetone smell.
 Specific Gravity 1040.
 Albumen none.
 Sugar dailyTotal 102 grammes, 5p.c. in the morning specimen
 Gerhardt's Test negative. after usual meal.
 Microscopic no casts.

Examination of Blood

Progress With Opium and rectification of his habits his condition showed decided improvement. The urine
 Result went down to 42 ozs and specific gravity to 1025 in the course of a month. He then felt very happy, and went back to his work.
 Complications

Post Mortem

Name and Sex K.S. male Private or ~~Hospital~~ Patient
 Caste Hindu.
 Occupation Banker. Age 72.
 Weight at the time of Consultation 140 lbs.
 Duration of the Disease Six months.
 Family History Good, no neurotic history and no gouty tendency.

Past History of the Patient Always enjoyed excellent health. Was troubled with Internal Piles now and then for the last five years. Total abstainer and vegetarian. Never indulged in anything to excess. Habits sedentary.

How Disease was brought to his notice Six months ago, very suddenly he began to suffer from Polydipsia and Polyuria. His physician examined his urine and no sugar was found. Diabetes Insipidus was diagnosed.

Condition of Patient at the time of Consultation
When I examined him several months after there was also 0.5% glucose in the specimen, and with the exception of thirst and frequency of micturition there were no other symptoms. He was wonderfully active for his age, and I attributed his Glycosuria simply to old age.

Examination of Urine:

Quantity in 24 hours	100 ozs.
Reaction	acid.
Physical Properties	clear watery fluid.
Specific Gravity	1013.
Albumen	none.
Sugar daily Total	a trace. 0.5 p.c. in the specimen.
Gerhardt's Test	negative.
Microscopic	no casts.

Examination of Blood

Progress His condition did not improve and the same year he died of sheer exhaustion (failure of heart's action).

Result

Complications

Post Mortem

Name and Sex	K.U.	male	Private or Hospital Patient
Caste	Mahomedan.		
Occupation	Contractor.	Age	47.
Weight at the time of Consultation	9 stones 1 lb.		
Duration of the Disease	4 months.		
Family History	good.		

Past History of the Patient On account of the nature of his work he had to travel a great deal, and ~~often~~ got wet during the rains. He had an attack of Sciatica similar to the present one last year, and Bronchitis during the cold weather. Present illness came on four months ago with pain down the left leg from hip to the ankle, and since then he has not been able to walk. While in bed he had, one day very severe thirst, and on consulting a doctor sugar was found in the urine.

How Disease was brought to his notice

Condition of Patient at the time of Consultation

The patient looked pale and wasted. His chest was decidedly emphysematous, and Cardiac dullness was somewhat obliterated. Heart sounds were weak. Arteries showed signs of degeneration. Liver dullness extended an inch below the Costal margin. Left leg was somewhat wasted and muscles were flabby. There was marked tenderness over the Sciatic nerve, and knee jerks absent on the left side. Tongue was dry, teeth sound, no smell of Acetone, and skin harsh and dry. No sign of boils etc. Eyesight

Examination of Urine: normal.

Quantity in 24 hours	65 ozs.
Reaction	acid.
Physical Properties	Pale straw coloured without Acetone smell.
Specific Gravity	1032.
Albumen	a trace.
Sugardaily Total	42 grammes, 2.5p.c. in the specimen on usual diet.
Gerhardt's Test	negative.
Microscopic	no casts.

Examination of Blood

Progress	With Morphia injections and Red Mercurial Ointment his condition improved, and with the disappearance of Sciatica, sugar in the urine also went down, although it did not disappear entirely. Afterwards he left Burma and I lost sight of him.
Result	
Complications	

Post Mortem

Name and Sex L.O. male Private or ~~Hospital~~ Patient
 Caste Parsee
 Occupation Merchant Age 50.
 Weight at the time of Consultation 20 stones 3 lbs.
 Duration of the Disease Six weeks.
 Family History Belongs to gouty and obese family. Mother was neurotic.

Past History of the Patient

Was in good health six weeks ago. He then suffered from headaches and one morning woke up to find that he could not see properly. This blindness was worse in the left eye. Felt also weakness in the left arm and leg. He then consulted a civil surgeon, and came to know that blindness was due to Retinal Haemorrhage, and that there was also sugar in his urine.

How Disease was brought to his notice

Condition of Patient at the time of Consultation

When I saw him he was enormously fat and felt quite run down. Headaches were persistent, and both his Retinae presented haemorrhagic patches with exudation. He stated that he had lost one stone in weight during the last six weeks. Thirst was not great, but cramps and pains in the back troubled him a great deal. He slept badly. Heart was fatty and arteries showed degenerative changes.

Examination of Urine:

Quantity in 24 hours	60 ozs.
Reaction	acid
Physical Properties	Highly coloured without Acetone smell.
Specific Gravity	1032.
Albumen	Present.
Sugar Total	56 grammes, 3.2 per cent in the specimen on usual diet.
Gerhardt's Test	negative.
Microscopic	no casts.

Examination of Blood

Progress He was put on purely milk diet and Opium. His condition improved a bit for the time being. About
 Result six months after I heard that he had an haemorrhage in the brain and died.

Complications

Post Mortem

Name and Sex L.C.L. male Private or ~~Hospital~~ Patient
Caste Hindu.
Occupation Banker. Age 46.
Weight at the time of Consultation 171 lbs.
Duration of the Disease Ten years.
Family History Parents alive and healthy. Family of five brothers and three sisters. Patient fourth of the family, first three members all healthy and well. Member No 6, five years younger than the patient had Epileptic fits at the age of 10, and died of
Past History of the ~~Convulsions~~ convulsions at the age of 19. Last member but one died of Liver Abscess at the age of 20.
Patient led a sedentary life; took no exercise with the exception of a casual walk in his gardens. Married twice. Had lot of children; first few healthy but last few neurotic. One born hydrocephalic and died after a year; one died of
How Disease was brought to his notice convulsions and one of consumption. Strict vegetarian, his food consisting of carbohydrates, butter and pulses. Fond of milk and sugar. Total abstainer.
Condition of Patient at the time of Consultation
Frequent micturition, getting up two or three times at night; disturbed sleep and weakness; excessive thirst. All these attracted his attention and on consulting a doctor he came to know that he was passing sugar in the urine.
He was stout and flabby. Thirst and micturition his two chief complaints. Several teeth gone and others loose in the mouth. Bowels fairly regular. Temporal arteries distinctly rigid. Pain in the back and sometimes cramps in the legs
Examination of Urine: troubled him. Heart sounds weak. Lungs normal. No eruptions on the skin. Old haemorrhagic patches in the Retinae.
Quantity in 24 hours 96 ozs.
Reaction acid.
Physical Properties Clear greenish looking fluid with
Specific Gravity 1035½ sweetish odour.
Albumen none.
Sugar daily Total 110 grammes, 6 p.c. in the morning specimen
Gerhardt's Test Positive reaction with on usual food.
Microscopic Some squam. Epithelial cells. Fe cl 3.
Examination of Blood Polynuclear cells in great abundance, and red
Progress Downwards. cells diminished.
Result Death from :
Complications Haemorrhagic Apoplexy and Paralysis. No medicine did him any good.

Post Mortem

Name and Sex L.D. male Private or ~~Hospital~~ Patient
 Caste Hindu.
 Occupation Landlord Age 65.
 Weight at the time of Consultation 10 stones 5 lbs.
 Duration of the Disease 5 years.
 Family History Father died of Diabetes.

Past History of the Patient Always enjoyed good health and never had any serious illness. Five years ago he had an acute attack of thirst, and on examination by the doctor, came to know that he had sugar in the urine. A few months after he noticed that his vision was getting dim, and signs of cataract formation were soon evident. He had to wait for operation until
 How Disease was brought to his notice the cataract was mature. Under Cocaine the operation was done successfully, and when everything was getting on so well, one day, after a few drops of Atropine he became speechless, and a few hours after died of heart failure.
 Condition of Patient at the time of Consultation Post mortem examination was not allowed.

Examination of Urine:

Quantity in 24 hours 40 ozs.
 Reaction acid.
 Physical Properties Well coloured without Acetone smell.
 Specific Gravity 1029.
 Albumen none.
 Sugar Total 15 grammes, 2 p.c. in the morning specimen
 Gerhardt's Test none. on ~~un~~usual diet.
 Microscopic

Examination of Blood

Progress

Result

Complications

Post Mortem

Name and Sex	L.S. male	Private or Hospital Patient
Caste	Sikh.	
Occupation	Writer.	Age 40.
Weight at the time of Consultation	9 stones 5 lbs.	
Duration of the Disease	One year.	
Family History	Good.	

Past History of the Patient Had no serious illness. His present illness came on suddenly a year ago when he had an acute ~~of~~ attack of thirst and frequency of micturition. He is unable to explain its causation. From his point of view he has been moderate in drinking, and has never indulged in any sort of excess. He has always liked sweet things. Has had usual attacks of fever.

How Disease was brought to his notice

Condition of Patient at the time of Consultation

Thin with a dry and scaly skin. Tongue was thickly coated at the base and presented a crocodile skin appearance. There was a smell of Acetone in the breath, and some of the teeth were loose, the gums having receded. Complains of headache and defective vision in both eyes on account of cataract. Had also cramps in the legs. Bowels costive. Appetite good. Heart and Lungs normal. Spleen slightly enlarged. Knee jerks absent and sleep poor. No Retinitis in either eye.

Examination of Urine:

Quantity in 24 hours	105 ozs.
Reaction	acid.
Physical Properties	greenish watery fluid with Acetone smell.
Specific Gravity	1040.
Albumen	Present.
Sugar daily Total	90 grammes, 6 p.c. in the specimen after usual meal.
Gerhardt's Test	Present.
Microscopic	No casts.

Examination of Blood

Progress	On restricted diet Polyuria and glycosuria quickly diminished, but sugar did not disappear entirely.
Result	I put him on Jambul powder and Opium, but none seemed to have done him any good. Two years after
Complications	I had occasion to see him again, and he was decidedly on the downward journey, and later I heard that he had a Carbuncle and died.

Post Mortem

Name and Sex Dr.M. male Private or ~~Hospital~~ Patient
 Caste Hindu.
 Occupation Medical. Age 50.
 Weight at the time of Consultation 10 stones 9 lbs.
 Duration of the Disease 13 years.
 Family History good.

Past History of the Patient Never had any serious illness till the age of 37 when the present illness came on. He attributed his illness to the several attacks of Malaria which he had on account of the malarious nature of the district where he was working. He was very fond of sweet things, so much so that even after knowing that he was passing sugar in the urine he could not stop eating ~~at~~ altogether.
 How Disease was brought to his notice ~~them~~

Condition of Patient at the time of Consultation

When I saw him he was pale and sallow looking, not emaciated by any means. His teeth were gone and there was smell of Acetone in the breath. Arteries did not show any signs of degeneration. He was moderate in eating carbohydrates, but otherwise ate anything and everything. He was not a believer in dieting. He told me that he was taking Opium regularly, and it was, in his opinion, keeping down neurotic symptoms which otherwise might have troubled him.

Examination of Urine:

Quantity in 24 hours 50 ozs.
 Reaction acid.
 Physical Properties Pale straw coloured fluid without Acetone smell
 Specific Gravity 1030.
 Albumen none.
 Sugar daily Total 32 grammes, $2\frac{1}{2}$ p.c. in the usual specimen after meal.
 Gerhardt's Test negative.
 Microscopic

Examination of Blood

Progress He went on in this condition for four years, then he had a Carbuncle and died after a month's illness.
 Result

Complications

Post Mortem

Name and Sex	Col.M. male	Private or Hospital Patient
Caste	Christian.	
Occupation	Army Officer	Age 46.
Weight at the time of Consultation	184 lbs.	
Duration of the Disease	four weeks.	
Family History	nothing special.	

Past History of the Patient Inclined to be stout and gouty. Fond of good table and moderate drinks. Had been subject to Rheumatic attacks now and then. Had been in bed on account of Double Sciatica for over a month. He had a similar attack last year, but it did not last more than 10 days.

How Disease was brought to his notice
Insects in the chamber pot attracted his attention and on examining his urine I found sugar in it.

Condition of Patient at the time of Consultation

Well-fed, plethoric and looked quite a picture of health without any other symptoms of Diabetes than traces of sugar in his urine, and double Sciatica.

Examination of Urine:

Quantity in 24 hours	66 ozs
Reaction	acid.
Physical Properties	clear, yellowish, watery fluid without any sweetish odour.
Specific Gravity	1025.
Albumen	none.
Sugar	Total 19 grammes, 1 p.c. in the morning specimen on usual diet.
Gerhardt's Test	negative.
Microscopic	no casts.

Examination of Blood With Opium his condition improved.

Progress During the hot weather, glycosuria disappeared, but next cold weather he had another attack of Sciatica, and sugar appeared in the urine again. After this he went away on leave and I lost sight of him.

Complications

Post Mortem

Name and Sex Mt.M. female Private or ~~Hospital~~ Patient
 Caste Hindu.
 Occupation Married. Age 45.
 Weight at the time of Consultation 6 stones 10 lbs.
 Duration of the Disease Two years.
 Family History No Diabetes history. No children.

Past History of the Patient

Had no previous illness. Has had headaches occasionally and that is all. Two years ago she noticed that she was getting weaker and losing flesh. She was troubled with increasing thirst, and she passed large quantity of water.

How Disease was brought to his notice

On consulting a doctor she came to know that there was sugar in the urine.

Condition of Patient at the time of Consultation

General condition poor. Slight puffiness about the eyes. Skin, harsh, dry and brawny. Some of the teeth decayed. Tongue, fissured and ham coloured. Abdomen distended and tympanitic, but no tenderness on pressure. Oedema of the leg and feet. Knee jerks absent. Plantar reflexes diminished. Sensation not lost.

Examination of Urine:

Quantity in 24 hours	175 ozs.
Reaction	acid.
Physical Properties	Colourless watery fluid with
Specific Gravity	1035. Acetone smell.
Albumen	Present.
Sugar daily Total	210 grammes, xx 6½% in the specimen
Gerhardt's Test	Present after usual meal.
Microscopic	No tube casts.

Examination of Blood

Progress	Restricted diet had no influence over the percentage of sugar, and drugs like Opium and Jambul also did her no good. Within a year after I saw her she died of coma.
Result	
Complications	This might have been a case of Pancreatic Diabetes but P.M. examination was not allowed, and no fat was noticed in the stools.

Post Mortem

Name and Sex M.B.T. male Private or ~~Hospital~~ Patient
 Caste Burman Buddhist.
 Occupation Bar. at Law. Age 28.
 Weight at the time of Consultation 280 lbs.
 Duration of the Disease One year.
 Family History Father was Diabetic and died of it at the age of 54, mother inclined to be stout, otherwise healthy, no brother or sister.

Past History of the Patient Habits steady and regular. Fond of sweets and rich, starchy food. Formerly he used to be of normal weight and size, but a year ago he noticed that he was getting fearfully stout, and could hardly move about freely.

How Disease was brought to his notice

Came to consult for Obesity and sugar was found in the urine on examination. He had no other Diabetic symptoms.

Condition of Patient at the time of Consultation

The patient for his size (5'4") was so stout that even breathing was painful to him. He slept well and ate well, but on account of obesity he became totally unfit for his work. Control over diet and gentle exercise had no effect. There were no other symptoms of Diabetes.

Examination of Urine:

Quantity in 24 hours	60 ozs.
Reaction	acid.
Physical Properties	Pale straw coloured with no Acetone smell.
Specific Gravity	1025.
Albumen	none.
Sugar daily Total	20 grammes, xxx 1.6% in the specimen
Gerhardt's Test	negative. 3 hrs. after meal.
Microscopic	no sediment.

Examination of Blood

Progress Obesity was not reduced. Later he became Diabetic with all the classical symptoms and died of failure of heart's action within a year.

Result

Complications

Post Mortem

Name and Sex M.O. male Private or ~~Hospital~~ Patient
 Caste Hindu.
 Occupation Writer. Age 43.
 Weight at the time of Consultation 154 lbs.
 Duration of the Disease four years.
 Family History Father suffered from neurasthenic symptoms;
 mother somewhat corpulent but otherwise healthy.
 One sister died of Diabetic coma at the age of 32;
 mother developed mild type of Diabetes at the age
 of 40; the youngest somewhat corpulent but otherwise
 Past History of the Patient healthy.
 Never ~~ex~~ercised for sufficient exercise. Married and
 somewhat fond of sexual excesses. Occasionally
 suffered from Insomnia. Very sensitive and
 emotional. With the exception of few Malarial
 attacks never had any serious illness. Present
 illness came on four years ago.
 How Disease was brought to his notice
 Excessive thirst attracted his attention, and on
 consulting a doctor, sugar was found in his urine.

Condition of Patient at the time of Consultation

Well fed and healthy looking. Complained of
 sleeplessness and enfeebled virility. Teeth in
 good order, appetite good, got up once or so at
 night for micturition. Feels thirsty at times.
 Heart and Lungs alright. No eruptions. No eye
 symptoms. Bowels regular.

Examination of Urine:

Quantity in 24 hours 48 ozs.
 Reaction acid.
 Physical Properties usual without any sweetish odour.
 Specific Gravity 1027.
 Albumen none.
 Sugar daily Total 35 grammes, 2.2 p.c. in the specimen.
 Gerhardt's Test negative.
 Microscopic no ~~excess~~ sediment.

Examination of Blood

Progress I saw him three years after; he was then taking
 more exercise and felt better. Sugar in urine
 Result was just the same. After this I lost sight of him.
 Jambul was tried in this case with indifferent
 results.
 Complications

Post Mortem

Name and Sex M.C. male Private or ~~Hospital~~ Patient
Caste Brahmin Hindu.
Occupation Medical. Age 55.
Weight at the time of Consultation 9 stones.
Duration of the Disease 14 years.
Family History Good, nothing special from Diabetic point of view.

Past History of the Patient

Has been in the habit of drinking. 14 years ago he had an attack of excessive thirst, and on examination of his urine he found sugar. Had no serious illness before this. Since then he has been getting weaker and thinner.

How Disease was brought to his notice

Condition of Patient at the time of Consultation

Complained of loss of appetite, and nausea, especially in the morning. Radial and Temporal arteries were Sclerotic. Heart somewhat enlarged, and second Aortic sound somewhat accentuated. On percussion right Liver Lobe appeared to be enlarged and was tender. Spleen a bit enlarged. No jaundice. Tongue and breath normal, and most of the teeth gone. Irritable and slept badly. No eye trouble.

Examination of Urine:

Quantity in 24 hours	56 ozs.
Reaction	acid.
Physical Properties	High coloured urine without smell of
Specific Gravity	1028. Acetone.
Albumen	Present.
Sugar	daily total 35 grammes, 2 p.c. after ordinary meal.
Gerhardt's Test	negative.
Microscopic	Calcium Oxalate crystals, and a few Hyaline casts.

Examination of Blood

Progress	Drinking habit was too far advanced, and the doctor
Result	died comatose from Cirrhosis of the Liver about a year after he saw me. Post mortem was not held, but it was possible that his Pancreas was also atrophied, and this gave rise to Glycosuria.
Complications	

Post Mortem

Name and Sex	M.F.	male	Private or Hospital Patient
Caste	Parsee.		
Occupation	Com. Agent	Age	57.
Weight at the time of Consultation	12 stones.		
Duration of the Disease	About 18 years.		
Family History	Good.		

Past History of the Patient

In his younger days the patient was fond of gay life, and took more liquor than was good for him. He always abhorred exercise. About 18 years ago he had an attack of excessive thirst and on consulting a doctor was told that he had Diabetes. Acute symptoms passed off after about 3 months. He had an attack of Enteric at the age of 25, and Carbuncle on the neck about 5 years ago.

Condition of Patient at the time of Consultation

Complained of loss of sight, being almost blind in the left eye, and could see only a little from the right. Almost all the teeth gone and bowels costive. Thirst not bad and micturition not excessive. Short of breath on exertion. Temporal artery somewhat rigid. Right eye had old haemorrhagic spot. Both Lenses had Senile cataract. Left eye had Chorioidal Atrophy with Retinal detachment, and white fibrous tissue formation. Felt weak and had no desire to work. Heart hypertrophied.

Examination of Urine:

Quantity in 24 hours	57 ozs.
Reaction	acid.
Physical Properties	Pale straw coloured with no smell of Acetone.
Specific Gravity	1028.
Albumen	Present.
Sugar daily	Total 40 grammes, 4 p.c. in the morning specimen
Gerhardt's Test	negative. on usual diet.
Microscopic	no casts.

Examination of Blood

Progress	With Opium and laxative medicines, sugar came down to less than 1%, and specific gravity to 1020, but the eyesight remained the same. After a month he went away to another place as a disappointed patient.
Result	

Complications

Post Mortem

Name and Sex M.H.O. male Private or ~~Hospital~~ Patient
 Caste Burman Buddhist.
 Occupation Accounts. Age 43.
 Weight at the time of Consultation 9 stones 2 lbs.
 Duration of the Disease 5 years.
 Family History Good.

Past History of the Patient Had no previous illness with the exception of usual Malarial attacks during the rains. Was very stout and fond of sweet things before the onset of the disease. Has always been steady and temperate in his habits. His present illness came on insidiously five years ago. He then noticed that he was very thirsty, and passing large quantity of urine.
 How Disease was brought to his notice His doctor then treated him for Diabetes, since then he has lost over three stones in weight and become very weak.

Condition of Patient at the time of Consultation

Pale, anaemic and somewhat emaciated. Feels weak and tired. Complains of pain in the calf muscles. Thirst not very pressing, still he takes more than usual quantity of water and urine is proportionately greater. Suffers from Insomnia and headaches frequently. No other neurotic symptom. Heart and Lungs normal.

Examination of Urine:

Quantity in 24 hours	58 ozs.
Reaction	acid.
Physical Properties	Pale straw coloured.
Specific Gravity	1032.
Albumen	none.
Sugar daily Total	40 grammes, 3 p.c. in the specimen after usual meal.
Gerhardt's Test	negative.
Microscopic	no casts.

Examination of Blood

Progress The patient was still in the mild stage and I put him on Jambul powder and Quinine. After a month
 Result his condition decidedly improved. He put on 2 lbs. in weight, specific gravity was reduced to 1027, and percentage of sugar below 2. I advised him to
 Complications continue the remedy. 8 years after I had occasion to see him again, and he gave me a very good report. His condition was not bad in any manner, and he was doing his work as usual.

Post Mortem

Name and Sex M.K. male Private or ~~Hospital~~ Patient
 Caste Mahomedan.
 Occupation Writer. Age 46.
 Weight at the time of Consultation 13 stones 3 lbs.
 Duration of the Disease 5 years.
 Family History Good; father died at 70, and mother at 60 of old age.

Past History of the Patient

Has always been in good health. About six months ago had a cough and cold which passed away without much trouble. Never had any serious illness. Married and has three children, all healthy. Habits sedentary on account of his occupation and heavy weight.

How Disease was brought to his notice

His present illness came on five years ago, when he had an attack of acute thirst and Insomnia, and as he felt extremely weak he consulted a doctor, who told him that there was sugar in the urine.

Condition of Patient at the time of Consultation

Stout, and has sleepy look. At present no particular thirst or hunger, and not aware of sugar in his urine. His chief trouble now is opacities in both the Lenses. Gets up at night for passing water once or twice. Bowels very often costive. No neurotic symptoms. No degeneration of the arteries. Heart sounds somewhat weak. Lungs Asthmatic.

Examination of Urine:

Quantity in 24 hours	62 ozs.
Reaction	acid.
Physical Properties	Pale straw coloured without Acetone
Specific Gravity	1038. smell.
Albumen	a trace.
Sugar dailyTotal	60 grammes, 3p.c. in the morning specimen on ordinary diet.
Gerhardt's Test	negative.
Microscopic	no casts.

Examination of Blood

Progress	With Opium his sugar went down to less than 1%, but
Result	after a month went up to the same percentage again.
	Jambul powder was then tried and its effect was
	more lasting. Cataract was not mature for
Complications	operation. He was advised to take some leave and rest.

Post Mortem

Name and Sex M.L. male Private or ~~Hospital~~ Patient
 Caste Hindu.
 Occupation Agent brewery Co. Age 47.
 Weight at the time of Consultation 11 stones 2 lbs.
 Duration of the Disease 11 years.
 Family History Good.

Past History of the Patient

Never had any serious illness. Has always been in the habit of drinking beer, and sometimes in excess. 11 years ago he wanted to insure his life, but was rejected as sugar was found in the urine. He did not pay much attention to it, and continued in his mode of life as usual until now when his eyesight began to trouble him.

How Disease was brought to his notice

Condition of Patient at the time of Consultation

Looked emaciated and weak. Skin dry and cyanotic upon the cheeks and nose. There was distinct smell of Acetone in the breath. Teeth were mostly gone and the rest were loose. Tongue dry and coated with brownish stuff. Restricted diet did not stop Glycosuria. Had Iritis in both eyes and old haemorrhagic retinitis in the right eye.

Examination of Urine:

Quantity in 24 hours	90 ozs.
Reaction	acid.
Physical Properties	greenish watery fluid with smell of Acetone.
Specific Gravity	1030.
Albumen	a trace.
Sugar dailyTotal	45 grammes, 3 p.c. in the specimen after usual food.
Gerhardt's Test	Present.
Microscopic	

Examination of Blood

Progress No drug and restriction in diet did the patient any good, and he succumbed to coma after a few weeks.

Result

Complications

Post Mortem

Name and Sex M.L. male Private or Hospital Patient
 Caste Hindu.
 Occupation Teacher Age 53.
 Weight at the time of Consultation 10 stones 12 lbs.
 Duration of the Disease 15 years.
 Family History Father, uncle and one brother had suffered from Diabetes.

Past History of the Patient

Has been of neurotic temperament and fond of sexual excesses. Habits sedentary. Never had any serious illness until 15 years ago when he began to feel neurotic pains in legs and left arm. After this he noticed that he drank more than the usual quantity of water, and got up once or twice to make urine. He had also a feeling of general weakness. On consulting a doctor he came to know that the cause of his trouble was Diabetes. Since then he has been taking care of himself.

Condition of Patient at the time of Consultation

When I saw him he looked pale, thin and emaciated. His left hand was weaker than the right one. Knee jerks were absent. Cramps in the legs, Most of the teeth gone. No smell of Acetone. Distinct rigidity of the Temporal arteries. Vision not quite so good as it used to be. Bowels inclined to be costive. No other eye symptoms.

Examination of Urine:

Quantity in 24 hours 76 ozs.
 Reaction acid.
 Physical Properties Pale straw coloured w.o. Acetone smell.
 Specific Gravity 1040.
 Albumen Present.
 Sugar dailyTotal 101 grammes, 5p.c. on usual diet.
 Gerhardt's Test negative.
 Microscopic no casts.

Examination of Blood

Progress He attributed his prolonged life under the
 Result circumstances to Jambul which did him a lot of good
 in the beginning, and to continue its use was
 the only advise I could give him.
 Complications About a year after he had Cerebral haemorrhage and
 died.

Post Mortem

Name and Sex M.L. female Private or ~~Hospital~~ Patient
 Caste Christian.
 Occupation Married. Age 39.
 Weight at the time of Consultation 7 stones 7 $\frac{1}{4}$ lbs.
 Duration of the Disease 2 months.
 Family History Belongs to neurasthenic family. Has always
 been subject to headaches and neuralgias.

Past History of the Patient

Two months ago the lady lost her only baby, and this upset her so much that she had an acute attack of thirst and Insomnia, on account of which a doctor was consulted, and he informed the husband that there was sugar in the urine.

How Disease was brought to his notice

Condition of Patient at the time of Consultation

Highly neurotic; could not sleep at night and felt drowsy all day. Frontal headaches troubled her a great deal. There was pain in the legs and cramps which were worse at night. Appetite was poor and bowels costive. Teeth were alright. Heart and Lungs normal. No Pruritis.

Examination of Urine:

Quantity in 24 hours	116 ozs.
Reaction	acid.
Physical Properties	Pale greenish fluid without Acetone smell.
Specific Gravity	1046.
Albumen	absent.
Sugar daily Total	320 grammes, 10 per cent in the morning
Gerhardt's Test	negative. specimen on usual diet.
Microscopic	no casts.

Examination of Blood

Progress	Opium did a lot of good in this case. Within a week the urine came down to 92 ozs, and percentage
Result	below 6. Later on Jambul powder was given her for nearly two months, and only traces of sugar were left. I saw the lady about 6 years after, and although there was still sugar in the urine her disease had become stationary and she had no bad symptoms.
Complications	

Post Mortem

Name and Sex . M.L.O. male Private or ~~Hospital~~ Patient
 Caste Burman Buddhist.
 Occupation Govt. Official. Age 52.
 Weight at the time of Consultation 164 lbs.
 Duration of the Disease 13 years.
 Family History Good.

Past History of the Patient The Patient belonged to the Accounts Department, and had to work for about 8 hours a day for the last 26 years. His habits were strictly sober and work sedentary. Has been stout all his life.

How Disease was brought to his notice

Condition of Patient at the time of Consultation Present illness came on with thirst when he noticed that he was drinking more than usual quantity of water and still feeling thirsty. He was losing strength also, and on consulting a doctor came to know that he was passing sugar in the urine.

When he saw me he complained of Insomnia and want of strength in the body. Most of the teeth were gone but appetite was still good. There was a patch of persistent Eczema over the Dorsum of the left foot. There was no smell of Acetone in the breath. Bowels inclined to be costive. No eye symptoms, and no arterial changes perceptible.

Examination of Urine:

Quantity in 24 hours	56 ozs.
Reaction	acid.
Physical Properties	Pale straw coloured without Acetone smell.
Specific Gravity	1029.
Albumen	none.
Sugar	Total 40 grammes, 2.4 per cent in the specimen
Gerhardt's Test	negative. on usual food.
Microscopic	no sediment.

Examination of Blood

Progress This patient attributed his long life to the use of Jambul powders.
 Result Two years after I saw him he developed a carbuncle and died.

Complications

Post Mortem

Name and Sex M.M.B. male Private or ~~Hospital~~ Patient
 Caste Hindu.
 Occupation Medical. Age 50.
 Weight at the time of Consultation 9 stones 9 lbs.
 Duration of the Disease 15 years.
 Family History Belongs to Diabetic family.

Past History of the Patient

Had no serious illness. Has had several usual attacks of Malarial fevers. Has been very fond of sweets and hard mental work, and he attributes his present illness to these causes. It is about 15 years since he first noticed sugar in the urine, and the onset was insidious. He took care of himself and the disease did not trouble him much. Of late Insomnia has been troubling him, and he noticed that he has become thinner.

Condition of Patient at the time of Consultation

Looked prematurely old, most of the teeth were gone and the rest were loose on account of the receded gums and Pyorrhoea Alveolaris. There was some smell of Acetone from the mouth. Has always been costive. felt tired after exertion. Heart sounds were weak. Lungs normal. Had Sciatic pain in both legs, on account of which he was not able to walk without a support. No eye troubles.

Examination of Urine:

Quantity in 24 hours	104 ozs
Reaction	acid.
Physical Properties	colourless watery fluid with smell of
Specific Gravity	1042. Acetone
Albumen	Present.
Sugar dailyTotal	150 grammes, px 6.2% in the specimen
Gerhardt's Test	Positive. after usual meal.
Microscopic	No tube casts.

Examination of Blood

Progress Jambul and Opium which had done him good in the beginning were no use now. The sugar in urine
 Result persisted even on restricted diet, and one day he suddenly died of failure of heart after dinner.
 Complications

Post Mortem

Name and Sex M.M.G. male Private or ~~Hospital~~ Patient
 Caste Hindu.
 Occupation Banker Age 48.
 Weight at the time of Consultation 165 lbs.
 Duration of the Disease Ten years.
 Family History Father gouty; mother inclined to be stout; one brother died of Epileptic fits. One sister married and healthy.

Past History of the Patient

Inclined to be sedentary. Total abstainer and strict vegetarian. Had no previous illness. Present illness came on ten years ago with thirst and frequency of micturition after some money trouble. After this he noticed that he was getting very weak, and had no inclination to do his work. He then
 How Disease was brought to his notice consulted a doctor and he was told that he was passing sugar in the urine, and was advised to take exercise and avoid sweets. This advice he has followed.

Condition of Patient at the time of Consultation

When I saw him he looked to me in sufficiently good health. His teeth were sound, bowels regular and no smell of Acetone. Spleen was a bit enlarged but the rest of the organs were normal. Thirst was not excessive. He complained of occasional pains in the leg and complete loss of sexual power.

Examination of Urine:

Quantity in 24 hours 50 ozs.
 Reaction acid.
 Physical Properties Pale straw coloured without Acetone smell.
 Specific Gravity 1027.
 Albumen none.
 Sugar daily total 40 grammes, 3 p.c. in the specimen on usual diet.
 Gerhardt's Test nil.
 Microscopic

Examination of Blood

Progress I put him on Jambul powders three times daily, and with this sugar was reduced to less than half
 Result the quantity. After several years I saw him again last year, and he was happy and cheerful.

Complications

Post Mortem

Name and Sex Mg.O.G. male Private or ~~Hospital~~ Patient
 Caste Burman Buddhist.
 Occupation Banker. Age 56.
 Weight at the time of Consultation 7 stones 12 lbs.
 Duration of the Disease 20 years.
 Family History Good.

Past History of the Patient Never had any serious illness. In his younger days he was very fond of sexual excesses, and took also some liquor, and he attributes his present disease to these indiscretions. The disease was insidious in its onset, and his doctor had put him on purely milk diet several times, and he always lost weight afterwards.

How Disease was brought to his notice

Condition of Patient at the time of Consultation

Thin but not emaciated to any great extent. When I saw him he was, in spite of the long duration of the disease, in its mild stage. He looked prematurely old, and Temporal and Radial arteries were somewhat rigid. Sugar in the urine could be controlled by limiting carbohydrates. Did not complain of any special symptoms. Eyesight was still good.

Examination of Urine:

Quantity in 24 hours 74 ozs.
 Reaction acid.
 Physical Properties Pale straw coloured without Acetone.
 Specific Gravity 1029.
 Albumen Present
 Sugar Total 30 grammes, 2 p.c. in the specimen on
 Gerhardt's Test negative. usual diet.
 Microscopic no casts, or cells.

Examination of Blood

Progress He was taking Jambul powders for several years, and I believe this had prolonged his life.
 Result Eventually his vitality failed; he had Carbuncle and died three years after I saw him.

Complications

Post Mortem

Name and Sex Mg.P.M. male Private or ~~Hospital~~ Patient
 Caste Burman Buddhist.
 Occupation Law Age 45.
 Weight at the time of Consultation 12 stones 1 lb.
 Duration of the Disease 8 years.
 Family History Good.

Past History of the Patient Never had any serious illness with the exception of usual attacks of Malarial fevers during the rains. Has always been very fond of sexual excesses, and took also some liquor in pleasant company. Was also a hard smoker. His present illness commenced insidiously about 8 years ago when he noticed that he was always feeling thirsty although he drank a lot of water and lemonade. He also noticed that his sexual appetite was very much impaired, and on consulting a doctor came to know that there was sugar in the urine. When I saw him he looked pale

How Disease was brought to his notice

Condition of Patient at the time of Consultation and anaemic. His chief complaint then was sexual weakness and occasional Insomnia. He did not look very much emaciated. He was doing his work but had no inclination to do so, and very often felt drowsy in court hours. His eyesight and teeth were alright. Knee jerks slightly impaired and no other neurotic symptoms. He had given up rice eating on the advice of his doctor.

Examination of Urine:

Quantity in 24 hours 76 ozs.
 Reaction acid.
 Physical Properties Pale straw coloured without Acetone smell.
 Specific Gravity 1035.
 Albumen absent.
 Sugar daily total 45 grammes, 3 p.c. in the specimen after
 Gerhard's Test negative. ordinary diet.
 Microscopic no casts.

Examination of Blood

Progress I first put him on Opium and then on Jambul. He was still in the mild stage of the disease, and in the course of a month he showed signs of improvement, having gained 2 lbs in weight. Three years after I saw him again, and he looked decidedly worse. He was much reduced in weight and there was a distinct smell of Acetone in his breath. Temptation of drink was too much for him. About 2 months after he had a carbuncle and died.

Result

Complications

Post Mortem

Name and Sex Mg.P.L. male Private or ~~Hospital~~ Patient
 Caste Burman Buddhist.
 Occupation Contractor. Age 46.
 Weight at the time of Consultation 10 stones 2 lbs.
 Duration of the Disease Three months.
 Family History Good.

Past History of the Patient Never had any serious illness. Has had usual attacks of Malarial fever. His present illness commenced three months ago. He had taken a large contract on the Shwebo Canal, and through the outbreak of Cholera most of his working men died or ran away. He thus suffered heavy losses and the shock brought on an acute attack of thirst and

How Disease was brought to his notice Polyuria. On examination of his urine 5% glucose was found in it. During three months he had lost over a stone in weight.

Condition of Patient at the time of Consultation

Had a pale, anaemic and worried look. Thirst was great and he was passing urine nearly every hour. He complained of excessive weakness as if he were not able to stand. There was a smell of Acetone in the breath, and on account of the worry his sleep was also disturbed.

Examination of Urine:

Quantity in 24 hours	90 ozs.
Reaction	acid.
Physical Properties	Colourless fluid with smell of Acetone.
Specific Gravity	1040.
Albumen	absent.
Sugar daily Total	110 grammes, 5 p.c. in the specimen after usual diet.
Gerhardt's Test	negative.
Microscopic	no casts.

Examination of Blood

Progress This case did very well with Opium. This brought on sleep and peace of mind, and within a month the

Result quantity of sugar was reduced to 30 grammes a day. Later Jambul powder was given him, which increased his power of assimilating carbohydrates. We both

Complications being in the same station, enabled me to watch his case for several years. Last time I saw him was after 6 years, and although there was still pathological sugar in his urine he was quite well and working as usual.

Post Mortem

Name and Sex M.S. male Private or ~~Hospital~~ Patient
 Caste Mahomedan.
 Occupation Advocate. Age 37.
 Weight at the time of Consultation 132 lbs.
 Duration of the Disease 1½ years.
 Family History Parents alive and well; two brothers and sisters in the family: all well.

Past History of the Patient Was in the habit of Masturbating in his younger days; became neurasthenic in this manner. On account of heavy legal work, took very little exercise. Not given to drink. Had no other illness.

How Disease was brought to his notice ago Eighteen months, /thirst and frequency of micturition and loss of sexual appetite made him consult a doctor who informed him of the sugar in his urine.

Condition of Patient at the time of Consultation
 Had anxious and worried look. Complained of Insomnia, thirst and frequency of micturition. Pains in the legs also troubled him. He could not concentrate his attention on his work, and his memory was also failing. Teeth and eyesight alright.

Examination of Urine:

Quantity in 24 hours	80 ozs.
Reaction	acid.
Physical Properties	Pale straw coloured without Acetone smell.
Specific Gravity	1032.
Albumen	none.
Sugar daily Total	60 grammes, 4 p.c. in the specimen on
Gerhardt's Test	negative. usual diet.
Microscopic	no casts.

Examination of Blood

Progress With Opium, exercise and careful dieting his condition improved ~~very~~ materially. After 5 years I saw him again, and he looked decidedly better, and he firmly believed that he was alright. I had no opportunity to test his urine this time.

Result

Complications

Post Mortem

Name and Sex Mr.N. male Private or ~~Hospital~~ Patient
 Caste Hindu.
 Occupation Station Master. Age 50.
 Weight at the time of Consultation 8 stones 9 lbs.
 Duration of the Disease One year.
 Family History Good.

Past History of the Patient Has had an attack of Jaundice ten years ago and several attacks of Malarial fevers. His present illness started after a chill when he felt excessively thirsty and passed large quantity of water. Since then he has been failing in health and getting thinner. Has been worse during the last month. On consulting a doctor he came to know How Disease was brought to his notice about sugar in his urine.

Condition of Patient at the time of Consultation

When I saw him he looked thin and prematurely old, depressed in spirits and slow in speech. Temporal arteries tortuous and fibroid. Tongue ham coloured, gums swollen, and some teeth loose. No smell of Acetone. Lungs emphysematous. Spleen enlarged and Liver could be felt 2" below the Costal Margin, No eye complications.

Examination of Urine:

Quantity in 24 hours 47 ozs.
 Reaction acid.
 Physical Properties Pale straw coloured without Acetone smell.
 Specific Gravity 1028.
 Albumen Present in cloud.
 Sugar daily Total 45 grammes, 3.5p.c. in the specimen on usual diet.
 Gerhard's Test Negative.
 Microscopic Squam. Epithelial cells; no casts.

Examination of Blood

Progress Drugs and milk had no effect on his Diabetes. Sugar remained just the same. He left the railway service
 Result and went away to Madras, his native place, and I did not see him afterwards.

Complications

Post Mortem

Name and Sex N.C. male Private or ~~Hospital~~ Patient
 Caste Hindu.
 Occupation Landed Proprietor Age 49.
 Weight at the time of Consultation 139 lbs.
 Duration of the Disease Two months.
 Family History Good; no neurotic disease in the family.

Past History of the Patient Always led a quiet and steady life. Had only one son and was very fond of him. This boy unfortunately had a fall from the roof of his house and broke his skull and died. The shock upset the father, and brought on an acute form of Diabetes.

How Disease was brought to his notice

Thirst and Polyuria attracted his attention.

Condition of Patient at the time of Consultation

When I saw him he was very melancholic and depressed and wanted nothing to eat but drank water whole day. His sleep was also disturbed on account of making water every two hours. Bowels were costive. No other neurotic symptoms were present. There was a smell of Acetone from the mouth.

Examination of Urine:

Quantity in 24 hours 60 ozs.
 Reaction acid.
 Physical Properties Pale straw coloured with sweetish odour.
 Specific Gravity 1039.
 Albumen none.
 Sugar daily Total 60 grammes, 4 p.c. after ordinary diet.
 Gerhard's Test absent.
 Microscopic

Examination of Blood

Progress Time and Opium consoled him and he got reconciled to the loss of his son. Next year when I saw
 Result him, sugar had disappeared from the urine, but he looked prematurely old. He was also thinner than before.
 Complications

Post Mortem

Name and Sex N.C. male Private or ~~Hospital~~ Patient
 Caste Hindu.
 Occupation Law. Age 36.
 Weight at the time of Consultation 11 stones 13 lbs
 Duration of the Disease One year.
 Family History Father died of Diabetes. Mother very stout. No
 brother or sister in the family.

Past History of the Patient

Had always been a hard smoker and hard worker.
 Never had any serious illness. Had several attacks
 of Malaria of ordinary type which to his mind did
 not leave any evil effect behind. Three months
 after his last attack of fever he had an acute
 attack of thirst and his doctor on examining his
 urine found sugar in it.

How Disease was brought to his notice

Condition of Patient at the time of Consultation

Complained of bad sleep on account of getting up at
 night to pass water. Thirst not excessive now.
 Appetite good. Teeth alright. No smell of Acetone
 in the breath. Very sensitive. Knee jerks present
 and sexual power somewhat weak. The skin was dry
 and itchy. Bowels costive. Eyesight good.

Examination of Urine:

Quantity in 24 hours 140 pzs.
 Reaction acid.
 Physical Properties Colourless watery fluid without Acetones.
 Specific Gravity 1032.
 Albumen a trace.
 Sugardaily Total 75 grammes, 3 p.c. in the specimen after
 usual diet.
 Gerhard's Test negative.
 Microscopic

Examination of Blood

Progress With Jambul powders his condition showed some signs
 of improvement as the quantity of urine went down
 Result and total sugar excreted was reduced to 25 grammes
 and as sugar from the urine disappeared entirely
 on the restricted diet a hope of recovery was
 Complications entertained, but in the course of a year the case
 took a bad turn, and when I saw him next the urine
 gave positive reaction with Gerhard's test and he
 was in a state of utter exhaustion, and in fourteen
 days time he died of Cardiac failure.

Post Mortem

Name and Sex N.K. male Private or ~~Hospital~~ Patient
 Caste Hindu.
 Occupation Trader. Age 38.
 Weight at the time of Consultation 14 stones 3 lbs.
 Duration of the Disease Two years.
 Family History Father Diabetic; one uncle also Diabetic.

Past History of the Patient

Has been in the habit of drinking in the society of young men. Two years ago he had an attack of acute thirst and felt very weak and disinclined to do any work. On account of cramps in the legs he was not able to sleep well.

How Disease was brought to his notice

On consulting a doctor he came to know that there was sugar in the urine.

Condition of Patient at the time of Consultation

Looked fairly healthy and robust in body. Thirst was not excessive. Complained of headache which he attributed to want of sleep. Bowels inclined to be costive; teeth alright, eyesight good.

Examination of Urine:

Quantity in 24 hours 52 ozs.
 Reaction acid.
 Physical Properties Pale straw coloured with smell of Acetone
 Specific Gravity 1034.
 Albumen absent.
 Sugar daily Total 35 grammes, 3 p.c. on usual diet.
 Gerhard's Test negative.
 Microscopic no casts.

Examination of Blood

Progress Under improved habits and moderation in diet the patient did well, but later he lost self-control,
 Result became depressed and melancholic and took to drink again. Three years after I saw him again: he was thin and emaciated, and his urine gave distinct
 Complications reaction with Ferric chloride. Six months after this he died of a carbuncle.
 Drugs did him no good.

Post Mortem

Name and Sex N.L. male Private or ~~Hospital~~ Patient
 Caste Hindu.
 Occupation Banker. Age 32.
 Weight at the time of Consultation 7 stones 2 lbs.
 Duration of the Disease Two years.
 Family History Comes of a neurasthenic family. Parents dead.
 Cause of death unknown. His younger brother
 suffers from Epilepsy.

Past History of the Patient

Has been subject to Dyspeptic troubles, and was also at one time very fond of sexual excesses. Has now become very nervous. Two years ago he felt very thirsty, for which he had to consult a doctor. Since then his sleep has also been bad and he has become very weak.

How Disease was brought to his notice

Thirst made him consult a doctor, who told him that there was sugar in his urine.

Condition of Patient at the time of Consultation

Irritable, neurasthenic. Had shooting pains in both legs and complained of Insomnia. Teeth alright, appetite fair, bowels costive. Vision alright. Nothing wrong with the heart or arteries. The patient stammers a great deal and complains of great weakness.

Examination of Urine:

Quantity in 24 hours	80 ozs.
Reaction	acid.
Physical Properties	Pale straw coloured without Acetone smell
Specific Gravity	1039.
Albumen	none.
Sugar daily Total	108 grammes, 5p.c. after usual meal.
Gerhardt's Test	negative.
Microscopic	normal.

Examination of Blood

Progress With Opium and attention to diet and exercise, his condition improved very much. His temper and sleep both improved, and sugar became less than 1% in the course of two months.

Complications

Post Mortem

Name and Sex N.U. male Private or ~~Hospital~~ Patient
 Caste Mahomedan.
 Occupation Post Master Age 45.
 Weight at the time of Consultation 14 stones 2 lbs.
 Duration of the Disease Six months.
 Family History Good.

Past History of the Patient Never had any serious illness during his life. Six months ago he felt increased thirst and frequency of micturition, and on consulting a doctor was told that there was sugar in the urine. Has always been of temperate habits; not given to any excess. He attributed his present illness to the vitiated air of the place where he had to work and
 How Disease was brought to his notice
 sedentary habits.

Condition of Patient at the time of Consultation

Had a healthy look, teeth complete, no neurotic symptoms, and heart and Lungs normal.

Examination of Urine:

Quantity in 24 hours 78 ozs.
 Reaction acid.
 Physical Properties Colourless fluid without Acetone smell.
 Specific Gravity 1035.
 Albumen none.
 Sugar daily Total 35 grammes, 4 p.c. in the specimen after
 Gerhardt's Test negative. usual food.
 Microscopic no casts.

Examination of Blood

Progress I recommended to him Jambul powders, moderation in
 Result starchy food and sufficient exercise, and with these
 he got on well for about a year. Then he had the
 Complications misfortune of losing his son which upset him entirely,
 and brought on a severe attack of Diabetes. This time
 there was a distinct smell of Acetone in the urine
 as well as in the breath and Gerhardt's test gave
 positive reaction. There was a great deal of loss
 of flesh, and in spite of the exclusion of
 carbohydrates, glucose still appeared in the urine.
 Two months after I saw him he had a Carbuncle and died
 of it.

Post Mortem

Name and Sex O.K.M. male Private or ~~Hospital~~ Patient
 Caste Hindu.
 Occupation Headmaster. Age 55.
 Weight at the time of Consultation 8 stones 10 lbs.
 Duration of the Disease 19 years.
 Family History Father, uncle and cousins had Diabetes.

Past History of the Patient has always been fond of reading and studying. Spent all his life in the Educational Department. Never had any other serious illness. 19 years ago he had an attack of acute thirst, and felt very weak and exhausted.

How Disease was brought to his notice On consulting a doctor he came to know that there was sugar in the urine. Since then he has been taking care of himself by taking regular constitutionals, and moderation in diet.
 Condition of Patient at the time of Consultation Habits strictly temperate.

Looked prematurely old, somewhat emaciated and anaemic. Most of the teeth gone. Gums sore and he suffers from Pyorrhoea Alveolaris. Bowels costive. Appetite good. Temporal artery somewhat rigid. There is Paresis of the left arm. Vision in both eyes defective on account of cataract formation. Lungs normal. Heart a bit hypertrophied. No smell Of Acetone. No Retinitis.

Examination of Urine:

Quantity in 24 hours	55 ozs.
Reaction	acid.
Physical Properties	Pale straw coloured without Acetone smell
Specific Gravity	1032.
Albumen	Present.
Sugar daily Total	35 grammes, 3 P.C. in the morning specimen
Gerhardt's Test	Absent. on usual diet.
Microscopic	No casts.

Examination of Blood

Progress Two months after the poor man had Cerebral haemorrhage and death followed. He attributed his living so long to the use of Jambul and milk and nuts.
 Result Carbohydrates he took in small quantity only.

Complications

Post Mortem

Name and Sex Mrs. P. female Private or ~~Hospital~~ Patient

Caste Christian.

Occupation Married. Age 36.

Weight at the time of Consultation 6 stones 12 lbs.

Duration of the Disease 4 years.

Family History Father died of Tuberculosis, and was very nervous.
Has three children all healthy.

Past History of the Patient She had always been in delicate health but had no serious illness. She has had cough and cold several times. Her present illness commenced 4 years ago after the birth of her youngest child. She felt excessively thirsty; there was no increase in appetite but she passed large quantity of urine.

How Disease was brought to his notice

On examining her condition her doctor told her that she was suffering from Diabetes.

Condition of Patient at the time of Consultation

When I saw her she looked considerably wasted and anaemic. Her skin was dry. Tongue coated and like raw ham in colour. Teeth not defective and there was no smell of Acetone. Rales in both the apices could be heard. Heart sounds were normal. Both legs, especially the left one, were tender. Knee jerk feeble. Genitals were covered with Eczema and small boils.

Examination of Urine:

Quantity in 24 hours 165 ozs.

Reaction acid.

Physical Properties Colourless watery fluid without Acetone

Specific Gravity 1040. smell.

Albumen none.

Sugar daily Total 210 grammes, 6 p.c. in the specimen on

Gerhardt's Test negative. usual diet.

Microscopic

Examination of Blood

Progress She did well for sometime on milk diet and Jambul

Result and Opium but about 6 months after she became comatose and died.

Complications

Post Mortem

Name and Sex P.L. male Private or ~~Hospital~~ Patient
 Caste Hindu.
 Occupation Teacher Age 49.
 Weight at the time of Consultation 10 stones 2 lbs.
 Duration of the Disease One year.
 Family History Father died of Diabetes and mother of old age.

Past History of the Patient Has been Asthmatic for nearly 12 years. Has had Eczema of the Prepuce for the last 12 months. At the same time he noticed that he was passing more water and feeling thirsty. This thirst is not so bad now, but he ~~has~~ wasted a bit. Had some pain in the back and down the left leg a month ago, when he also noticed some blood in the urine. This however did not last and passed away after a day.

How Disease was brought to his notice

The doctor who examined him told him that there was sugar in his urine.

Condition of Patient at the time of Consultation

✓ Looked pale and somewhat wasted. Chest emphysematous but no adventitious sounds. Cardiac dullness obliterated and heart sounds weak but no murmur. Arteries showed signs of degeneration. Prepuce tight. Margin moist and excoriated. Skin dry and harsh. Tongue coated. Teeth some decayed and some loose. Gums receded. Bowels inclined to be costive. No smell of Acetone in the breath. Sleep not sound. Nothing felt in the Abdomen.

Examination of Urine:

Quantity in 24 hours 127 ozs.
 Reaction acid.
 Physical Properties Colourless fluid without Acetone.
 Specific Gravity 1042.
 Albumen no trace.
 Sugar daily Total 230 grammes, 8 p.c. in the specimen on ordinary diet.
 Gerhard's Test negative.
 Microscopic no casts.

Examination of Blood

Progress The man was put on strict diet and lost one stone in ten days. Sugar was naturally less than before
 Result but the benefit derived was not in proportion to the harm done otherwise. Opium did him some good by reducing the quantity of sugar to a certain extent.
 Complications Jambul did him no good. Five years after I heard that he had a Carbuncle and died.

Post Mortem

Name and Sex	P.S. male	Private or Hospital Patient
Caste	Hindu.	
Occupation	Law	Age 52.
Weight at the time of Consultation	10 stones 10 lbs.	
Duration of the Disease	12 years.	
Family History	Good.	

Past History of the Patient Had no serious illness in his life. Has always been studious and fond of reading and hard mental work. 12 years ago he noticed that he drank more water and passed a greater quantity of water than other persons, and on consulting a doctor he came to know that there was sugar in his urine. He has always been regular in his habits and strictly vegetarian in food.

How Disease was brought to his notice

Condition of Patient at the time of Consultation

Complained of aching pain in the left eye, and loss of vision in the right eye. Right eye was Glaucomatous and its cornea smoky. The vitreous showed signs of old haemorrhage, and so did the Retina. The left eye was hypermetropic and otherwise normal. Sensibility in the left leg was much impaired, and knee jerk absent. The toe nails were thick, discoloured and brittle. Right leg was normal. Radial and Temporal arteries were somewhat rigid. Heart enlarged and sounds weak.

Examination of Urine: Lungs normal, bowels costive. No thirst.

Quantity in 24 hours 80 ozs.

Reaction acid.

Physical Properties Colourless fluid without Acetone smell.

Specific Gravity 1046.

Albumen a trace.

Sugar daily Total 75 grammes, 8 p.c. in the specimen after usual diet.

Gerhardt's Test Negative.

Microscopic Some squam. Epithelial cells but no tube casts.

Examination of Blood

Progress	Derived great deal of benefit from Jambul powders, the sugar having been reduced to 25 grammes a day,
Result	and five years after when I met him again he was as busy as ever in his profession, and did not complain of anything in particular. He diets himself and
Complications	whenever there is excess in urine takes Jambul Jambul powders.

Post Mortem

Name and Sex	P.S. male	Private or Hospital Patient
Caste	Hindu Sikh.	
Occupation	Contractor	Age 50.
Weight at the time of Consultation	6 stones 13 lbs.	
Duration of the Disease	Two years.	
Family History	Good.	

Past History of the Patient Has had several attacks of Malarial fevers owing to the nature of his work and to the fact that he has had several exposures. Two years ago he had a chill after which he had fever for about a week. He then noticed that he was growing weaker and weaker, and ordinary exertion which he could perform formerly caused him fatigue now. His

How Disease was brought to his notice thirst was great and owing to frequency of micturition his night's rest was disturbed. His doctor found sugar in the urine.

Condition of Patient at the time of Consultation

When I saw him he looked a poor specimen of his race. He complained of thirst and excessive micturition especially at night and morning. His teeth were good, and no smell of Acetone. His Spleen was enlarged, and Liver could be felt below the Costal margin. His eyesight was normal and he had no other neurotic symptoms.

Examination of Urine:

Quantity in 24 hours	98 ozs.	
Reaction	acid.	
Physical Properties	Pale watery fluid without Acetone smell.	
Specific Gravity	1035.	
Albumen	none.	
Sugar daily	Total 170 grammes, 6 p.c. in the specimen on	
Gerhardt's Test	negative.	usual diet.
Microscopic		

Examination of Blood

Progress	This man did very well on milk diet and Jambul.
Result	He put on 6 lbs in weight in the course of a month, and sugar was reduced to less than 40 grammes a day. He went back to his work. I did not see him again.

Complications

Post Mortem

Name and Sex Mrs, R. female. Private or ~~Hospital~~ Patient
 Caste Christian.
 Occupation Widow Age 49.
 Weight at the time of Consultation 8 stones 5 lbs.
 Duration of the Disease 12 years.
 Family History Good.

Past History of the Patient Has been very stout and had no children.
 Has been healthy otherwise.
 She dated her present illness from the death of
 her husband which took place 12 years ago. The grief
 and worry upset her, and shortly after she had an
 acute attack of thirst and Polyuria. On examining
 by a doctor sugar was found in her urine, and since
 How Disease was brought to his notice then it has continued more or less.

Condition of Patient at the time of Consultation

When I saw her she looked still sufficiently well-fed, although according to her statement she must have lost at least three stones in weight since the beginning of the disease. Some of her teeth were gone and others were loose, and gums receded. There was no smell of Acetone and her internal organs were healthy.

Examination of Urine:

Quantity in 24 hours 50 ozs.
 Reaction acid.
 Physical Properties Pale straw coloured without smell of Acetone
 Specific Gravity 1030.
 Albumen none.
 Sugar daily Total 28 grammes, 2 p.c. in the specimen on
 usual diet.
 Gerhardt's Test negative.
 Microscopic no casts.

Examination of Blood

Progress According to her statement she was very bad in the
 Result commencement and the use of Jambul powders checked
 the disease and she considered her present comparative-
 ly good health ^{due} to the use of Jambul and careful
 Complications dieting. She was living principally on milk and
 nuts.

Post Mortem

Name and Sex Mt.K. female Private or ~~Hospital~~ Patient
 Caste Hindu.
 Occupation Married. Age 40.
 Weight at the time of Consultation 182 lbs.
 Duration of the Disease Five years.

Family History Father very stout, otherwise looked healthy, mother sensitive and short tempered. Brother also inclined to be stout, sister had several hysterical attacks.

Past History of the Patient She had Hysterical attacks in her younger days, but since she became a mother they have disappeared. She is still short tempered and sensitive like her mother. Never had any serious illness beyond usual attacks of Malarial fevers.

How Disease was brought to his notice

Dryness in the mouth and thirst, which both increased very much after a fit of anger, attracted her attention and on consulting a doctor sugar was found in the urine.
 Condition of Patient at the time of Consultation To look at she did not appear to be sick at all. She complained of dryness in the mouth and Polyuria. Ten of her teeth were gone. She had persistent Eczema on her left foot and Pruritis at the private parts.

Examination of Urine:

Quantity in 24 hours	56 ozs.
Reaction	acid.
Physical Properties	Clear, pale watery fluid with sweetish odour.
Specific Gravity	1029
Albumen	absent.
Sugar Total	30 grammes, 2p.c. in the specimen on usual diet.
Gerhardt's Test	negative.
Microscopic	no casts.

Examination of Blood

Progress	With careful dieting and Opium treatment she improved materially and the last time I examined
Result	her urine it had only 1.25% of sugar. Her Eczema and Pruritis were also cured. Eight years after I had occasion to see her again, and she was
Complications	keeping fairly good health and still using Opium.

Name and Sex Mt.R. female Private or ~~Hospital~~ Patient
 Caste Hindu.
 Occupation Married. Age 50.
 Weight at the time of Consultation 6 stones 12 lbs.
 Duration of the Disease 2 years.
 Family History Good.

Past History of the Patient

Always enjoyed good health up to the time of the accident. Two years ago she had a fall and hurt her head severely. After the accident she began to feel weak and lost in weight also, but did not notice any excessive thirst or any other bad symptom.

How Disease was brought to his notice

She consulted a doctor for persistent Eczema, and on examination of urine sugar was discovered in it.

Condition of Patient at the time of Consultation

Looked weak, neurasthenic and a bit emaciated. Complained of persistent itchiness at the private parts and there was a huge Eczematous patch over the Dorsum of the left foot. Thirst was not excessive but the quantity of urine was decidedly more than usual. Also complained of pains in the calf muscles.

Examination of Urine:

Quantity in 24 hours	62 ozs.
Reaction	acid.
Physical Properties	Pale straw coloured fluid without Acetone smell.
Specific Gravity	1035.
Albumen	none.
Sugar daily	Total 50 grammes, 4 p.c. after ordinary meal.
Gerhardt's Test	absent.
Microscopic	Oxalate of Calcium crystals.

Examination of Blood

Progress With Opium her condition improved very much, and eventually sugar disappeared entirely from the urine.
 Result The lady is now over 60 and quite well.

Complications

Post Mortem

Name and Sex R.C. male Private or ~~Hospital~~ Patient
 Caste Hindu.
 Occupation Money lender. Age 23.
 Weight at the time of Consultation 7 stones 10 lbs.
 Duration of the Disease 10 weeks.
 Family History Good.

Past History of the Patient Had no previous illness except few occasional attacks of usual Malarial fever. His present illness came on rather suddenly, about 10 weeks ago with dryness of mouth, thirst and passing a large amount of urine. On consultation a doctor found sugar in his urine and sent him over to me. He was unable to give any cause for this
 How Disease was brought to his notice attack. He is a young man, steady habits, married, but not given to sexual excesses.

Condition of Patient at the time of Consultation

Thin and anaemic with strong smell of Acetone from the mouth. Very thirsty and passing large quantities of urine nearly every hour. Complained of pain in the stomach and back, but nothing could be felt. There was a hard enlarged gland in the left groin, but this was an old thing and not connected with the present illness. Heart and Lungs were normal. Bowels were costive and gave no indication of fatty stools. Patient was a bit drowsy.

Examination of Urine:

Quantity in 24 hours 260 ozs.
 Reaction acid.
 Physical Properties Colourless watery fluid with smell of Acetone.
 Specific Gravity 1042
 Albumen None.
 Sugar daily Total 480 grammes, 7 p.c. in the specimen after ordinary meal.
 Gerhardt's Test Positive.
 Microscopic

Examination of Blood

Progress Age of the patient, shortness of duration, absence of any cause, and severity of symptoms made me
 Result suspect Pancreatic Diabetes in this case. With rest and Opium, pain in the stomach became better, and the quantity of urine was reduced to 100 ozs in the course
 Complications of a fortnight, but the percentage of sugar remained the same, and restriction of carbohydrates had also no effect. As the patient felt better I sent him away for some change. He did not come to see me afterwards, but I heard from his people that he died about a year afterwards, having become extremely thin and emaciated and unconscious.

Post Mortem

Name and Sex R.D. male Private or ~~Hospital~~ Patient
Caste Hindu.
Occupation Law Age 36.
Weight at the time of Consultation 11 stones 4 lbs.
Duration of the Disease 5 years.
Family History Grandfather died of Diabetes. Father also died of the same disease. One brother died of Tuberculosis.

Past History of the Patient

Has been healthy and never had any serious illness. Ten years ago he became suddenly very stout, and as he neglected exercise and had to strain his mental powers as a young practitioner, he began to feel thirsty and weak and on examining his urine sugar was found in it.

How Disease was brought to his notice

Condition of Patient at the time of Consultation

When I saw him his condition did not appear at all serious. He was feeling thirsty and drank more than usual quantity of water and passed large quantity of urine, but beyond these he had no other symptoms, and his internal organs appeared normal. Teeth all good and bowels regular. No eye complaint.

Examination of Urine:

Quantity in 24 hours	70 ozs.
Reaction	acid.
Physical Properties	Pale straw coloured.
Specific Gravity	1035.
Albumen	none.
Sugar	75 grammes, 4 p.c. in the specimen on usual diet.
Gerhardt's Test	Negative.
Microscopic	

Examination of Blood

Progress	X	<p>With the use of Jabul^m powders both sugar and urine were reduced in quantity and last time when I saw him, two years ago, after 5 years interval, sugar was less than 2%. There were still no bad symptoms. He was mainly living on milk and nuts and took starchy food in moderation.</p>
Result		
Complications		

Post Mortem

Name and Sex R.D. male Private or ~~Hospital~~ Patient
 Caste Hindu.
 Occupation Librarian. Age 52.
 Weight at the time of Consultation 12 stones 2 lbs.
 Duration of the Disease 12 months.
 Family History Good.

Past History of the Patient

Had Small Pox at the age of 14, and had Concussion of the Brain 20 years ago. Present illness came on gradually 12 months ago when his appetite increased and he felt more thirsty. He has been constipated and has passed much water and has lost flesh also. His sight also has been failing for the last six months.

How Disease was brought to his notice

On consulting a doctor, sugar was found in his urine. He was unable to assign any cause unless it be his sedentary habits

Condition of Patient at the time of Consultation

Pale and not much emaciated. Appetite and thirst are not excessive now. Complained chiefly of defective vision. His cornea was clear but lenses hazy, and there were some grey irregular patches of exudation in the Retinae more so in the left than in the right. No abnormal sounds in the chest. Nothing felt in the Abdomen. Skin harsh and dry. Teeth sound. Gums somewhat swollen. No smell of Acetone in the breath.

Examination of Urine:

Quantity in 24 hours 68 ozs.
 Reaction acid.
 Physical Properties Pale straw colored.
 Specific Gravity 1.035.
 Albumen none.
 Sugardaily Total 80 grammes, 5 p.c. in the specimen on
 Gerhardt's Test negative. ordinary diet.
 Microscopic

Examination of Blood

Progress With milk diet and Opium his condition materially improved. In a month's time sugar was reduced
 Result to 2% and urine to 48 ozs. with specific gravity 1029. I met him again two years ago after an
 Complications interval of nearly five years. He was still complaining of his eyes but felt well otherwise.

Post Mortem

Name and Sex R.D. Male Private or ~~Hospital~~ Patient
 Caste Hindu.
 Occupation Bank clerk. Age 36.
 Weight at the time of Consultation 7 stones 7 lbs.
 Duration of the Disease One year and eight months.
 Family History His father and one of his uncles had died
 of Diabetes.

Past History of the Patient Has been in good health until 20 months ago when he suddenly became very thirsty and felt very weak. Since then he has been laid up occasionally with attacks of weakness. He was once examined by a doctor, and as sugar was found in his urine he was put on restricted diet, i.e. rice and sugar and bread were not given him and
 How Disease was brought to his notice he had to live mostly on milk and fruits and nuts. This did him good but he got tired of this food, and as time went on he became careless of his
 Condition of Patient at the time of Consultation Condition with the result that he now lost three stones in weight. When I saw him he looked thin, pale and emaciated and very weak with thirst and frequency of micturition. His appetite was good but not excessive and there were no neurotic symptoms. His heart sounds were weak and there was slight oedema in both the legs. His Liver was slightly enlarged. No eye symptoms.

Examination of Urine:

Quantity in 24 hours 280 ozs.
 Reaction acid.
 Physical Properties watery colourless fluid.
 Specific Gravity 1040.
 Albumen Present.
 Sugardaily Total 405 grammes, 5 p.c. in the specimen on
 Gerhardt's Test Negative. usual diet.
 Microscopic

Examination of Blood

Progress I told him that if he was desirous to live, milk diet was essential to his life, and with Jambul
 Result and milk diet his condition again improved, the quantity of urine having gone down to 70 ozs.
 Complications and sugar to less than 100 grammes a day. I did not see this man again.

Post Mortem

Name and Sex R.D. male Private or ~~Hospital~~ Patient
 Caste Hindu.
 Occupation Banker. Age 42.
 Weight at the time of Consultation 10 stones 7 lbs.
 Duration of the Disease 7 years.
 Family History **F**ather died of Diabetes. Obesity also in the family.

Past History of the Patient Always lived a steady life and never had any serious illness with the exception of the usual attacks of Malarial fevers. Became suddenly stout at the age of 28, and gradually became so heavy that he could not take any exercise. At the age of 35 he developed symptoms of Glycosuria and his doctor found sugar in the urine. Since then he had
 How Disease was brought to his notice occasionally crops of boils and persistent Eczema.

Condition of Patient at the time of Consultation

When I saw him he looked anaemic and pale and emaciated to a certain extent. There was still sufficient subcutaneous fatty tissue and his general condition did not look alarming. His chief complaint was costiveness and disturbed sleep on account of frequent micturition. There was a feeling of weakness but still he could walk a mile or two. His teeth were complete. No odour from the mouth and no other neurotic symptoms.

Examination of Urine:

Quantity in 24 hours 85 ozs.
 Reaction acid.
 Physical Properties Pale straw coloured without Acetone smell.
 Specific Gravity 1035.
 Albumen none.
 Sugardaily Total 80 grammes, 4 p.c. in the specimen on
 Gerhardts Test negative. usual diet.
 Microscopic

Examination of Blood

Progress He was careful in his diet, lived mostly on nuts and milk and Jambul was his best friend. During
 Result the rains of that year he had an attack of Malarial fever which pulled him down very much. In the
 Complications winter of the same year he had an abscess in the right thigh which confined him to bed for over two months. This made his Diabetes worse. He lingered in that condition for about a year, and during the next cold weather he developed a Carbuncle and died.

Post mortem was not allowed.

Post Mortem

Name and Sex R.H.P. male Private or ~~Hospital~~ Patient
 Caste Christian.
 Occupation Army Officer Age 51.
 Weight at the time of Consultation 10 stones 3 lbs.
 Duration of the Disease 3 years.
 Family History Good.

Past History of the Patient Had Enteric at the age of 30' and has had several attacks of Malarial fevers on account of which he had to go on leave out of India twice. In the Tirah Campaign of 1897 he had to undergo a lot of exposure, worry and responsibility. This broke him down and he had an acute attack of thirst followed by wasting and weakness.

How Disease was brought to his notice
 On examination of his urine sugar was found. Since then he has been very careful about his food and mode of life but has never been free from Glycosuria.

Condition of Patient at the time of Consultation

When I saw him in 1900 his chief complaints were bad memory and Insomnia. He also felt giddy sometimes. Thirst was not much. Tongue was coated but teeth all sound, and there was no smell of Acetone in the breath. Liver was slightly tender and enlarged. Spleen was enlarged. Heart sounds normal.

Examination of Urine:

Quantity in 24 hours 70 ozs.
 Reaction acid.
 Physical Properties Pale straw coloured. No Acetone smell.
 Specific Gravity 1034.
 Albumen none.
 Sugardaily Total 53 grammes, 3 p.c. in the specimen on usual diet.
 Gerhardts Test Negative.
 Microscopic

Examination of Blood

Progress Milk diet was beneficial to him in every way, and with this and Jambul powders his Glycosuria was kept
 Result under control. After a month total sugar was reduced to 35 grammes and the quantity of urine to 50 ozs. Two years after he retired and I lost
 Complications sight of him.

Post Mortem

Name and Sex R.M. male Private or ~~Hospital~~ Patient
 Caste Hindu.
 Occupation Brewer. Age 39.
 Weight at the time of Consultation 7 stones 7 lbs.
 Duration of the Disease Five years.
 Family History Father died of Diabetes.

Past History of the Patient

Got into the habit of drinking beer for the last 15 years. Had no serious illness until 5 years ago when he had a sudden attack of acute thirst and wanted to drink still more without quenching it. Since then he has been getting weaker and thinner.

How Disease was brought to his notice

On consulting a doctor he came to know that he was suffering from Diabetes, and has been treated for this at different times.

Condition of Patient at the time of Consultation

When I saw him he was exceedingly neurasthenic, a very poor sleeper and ~~very~~ irritable in temper. Teeth were carious and gums receded. No smell of Acetone. Spleen enlarged and Liver could be felt $1\frac{1}{2}$ " below the Costal margin. Bowels irregular. Complained of pain in the back. Vision normal.

Examination of Urine:

Quantity in 24 hours 88 ozs.
 Reaction acid.
 Physical Properties Pale straw coloured without Acetone smell.
 Specific Gravity 1040.
 Albumen none.
 Sugardaily Total 135 grammes, 6 p.c. on usual meal.
 Gerhardt's Test negative.
 Microscopic no casts.

Examination of Blood

Progress Stopping of beer and administration of Opium improved his state very much. In the course of
 Result six weeks the quantity of sugar was reduced to less than half. He continued taking Opium for a long
 Complications time with great benefit to himself. After three years I met him again and he looked decidedly better. He assured me that he has given up drinks altogether.

Post Mortem

Name and Sex R.R. female Private or Hospital Patient
 Caste Hindu.
 Occupation Married. Age 42.
 Weight at the time of Consultation 9 stones 5 lbs.
 Duration of the Disease Four months.
 Family History Good; no history of Diabetes.

Past History of the Patient Said to have been in good health until four months ago when she received a fright by some thieves getting into her house, and she dates her present illness from this time. Since then she has suffered from severe thirst and passing large quantity of urine. Of late she has had headaches, and she noticed that she was losing flesh also. A doctor told her that there was sugar in her urine.
 How Disease was brought to his notice

Condition of Patient at the time of Consultation In spite of losing flesh she still looked sufficiently well nourished. Skin was moist and showed some scars of old ulcers. Abdomen flabby and large. No pain or tenderness in the stomach. Bowels regular but passed lot of wind. Teeth alright and tongue coated. Thirst and Polyuria.

Examination of Urine:

Quantity in 24 hours 99 ozs.
 Reaction acid.
 Physical Properties Colourless fluid without Acetone smell.
 Specific Gravity 1038.
 Albumen a trace.
 Sugardaily Total 80 grammes, 4 p.c. in the specimen on usual diet.
 Gerhardt's Test negative.
 Microscopic

Examination of Blood

Progress With milk diet and Jambul her condition materially improved, the sugar fell to less than 2% and urine
 Result to 48 ozs. Nuts formed a great proportion of her food for a long time. After an interval of four years I happened to meet her again, and she was
 Complications in fairly good condition although there was still sugar in her urine.

Post Mortem

Name and Sex R.A. male Private or ~~Hospital~~ Patient
 Caste Mahomedan.
 Occupation Contractor. Age 33.
 Weight at the time of Consultation 10 stones 3 lbs.
 Duration of the Disease 9 months.
 Family History Good.

Past History of the Patient

Had suffered from Gall stones 8 years ago and from Small pox in his childhood. He attributes his present illness to a fall which he had about 9 months ago. There was no loss of consciousness after the fall as he was able to walk home with help. After this his left arm and leg became paralysed, and about a month or two

How Disease was brought to his notice

after this accident he noticed that he was very thirsty and passing large quantity of urine, and a doctor told him that he was passing sugar in

Condition of Patient at the time of Consultation his urine.

When I saw him he looked anaemic but not much wasted. Left upper limb was powerless, and muscles were wasted and flabby a bit. No loss of sensation. Muscles in the left leg were also flabby and powerless but there was no tenderness. He was complaining of severe headache both frontal and occipital. His bowels were costive and Liver could be felt below the Costal margin. His Spleen was also slightly enlarged. I was only asked to treat the Paralysis. No eye troubles.

Examination of Urine:

Quantity in 24 hours 56 ozs.

Reaction acid.

Physical Properties Pale straw coloured with smell of Acetone.

Specific Gravity 1040.

Albumen Present.

Sugar daily Total 70 grammes, 5 p.c. in the specimen on

Gerhardt's Test Positive. usual diet.

Microscopic

Examination of Blood

Progress

After a few days this unfortunate man became drowsy, comatose and died. Post mortem was not allowed.

Result

Complications

Post Mortem

Name and Sex Mt.S. female Private or ~~H~~ospital Patient
 Caste Hindu.
 Occupation Married. Age 38.
 Weight at the time of Consultation 14 stones 1 lb.
 Duration of the Disease Two years.
 Family History Good. No children.

Past History of the Patient She has always been very fond of sweets and has been stout for the last 14 or 15 years. She never had any serious illness until two years ago when she had an acute attack of thirst and she noticed that she could not hold her water which she had to pass frequently.

How Disease was brought to his notice

On consulting a doctor she came to know that she was passing sugar in the urine.

Condition of Patient at the time of Consultation

Very stout. Some teeth carious and Pyorrhoea Alveolaris gave her trouble very often. She complained of Supra Orbital neuralgia and Sciatica. Cramps occurred at night in the calves of the legs. She sweated profusely and had also Pruritis Vulvae. Internal organs healthy. No eye symptoms. Short tempered.

Examination of Urine:

Quantity in 24 hours	52 ozs.
Reaction	acid.
Physical Properties	Pale straw coloured. No Acetone smell.
Specific Gravity	1034.
Albumen	absent.
Sugar daily Total	42 grammes, 4 p.c. in the specimen after usual diet.
Gerhardt's Test	negative.
Microscopic	no casts.

Examination of Blood

Progress	With Jambul powders and moderation in carbohydrates her condition improved very much, the sugar having,
Result	in the course of a month, gone down to less than 2% and specific gravity to 1029. After an interval of six years I saw her again, and she was very much
Complications	in the same condition, and had no particular complaint.

Post Mortem

Name and Sex Mr.S. male Private or ~~Hospital~~ Patient
 Caste Mahomedan.
 Occupation Writer. Age 52.
 Weight at the time of Consultation 9 stones 2 lbs.
 Duration of the Disease Three years.
 Family History Good.

Past History of the Patient

Has always been healthy until 5 years ago when he had an attack of Influenza which broke him down. Since then he has never felt perfectly well. Present complaint commenced with thirst and general weakness, and during the last 3 years he must have lost nearly three stones in flesh. On consulting How. Disease was brought to his notice a doctor he came to know that he was passing sugar in the urine.

Condition of Patient at the time of Consultation

When I saw him his muscles looked flabby and wasted. Tongue was furred at the back and red and dry at the tip. There were pustules over the chest and whitlow in the right hand. His bowels were costive and he felt very thirsty and mentally dull. Appetite was not good. Heart, Lungs, Spleen and Liver were normal.

Examination of Urine:

Quantity in 24 hours 80 ozs.
 Reaction acid.
 Physical Properties Pale straw coloured. No Acetone smell.
 Specific Gravity 1040.
 Albumen a trace.
 Sugar daily Total 65 grammes, 3 p.c. in the specimen on usual diet.
 Gerhardt's Test negative.
 Microscopic

Examination of Blood

Progress Opium was very useful in this case. It checked his wasting and reduced the quantity of urine and Result sugar to less than half.

Complications

Post Mortem

Name and Sex Mt.S. female Private or ~~Hospital~~ Patient

Caste Hindu.

Occupation Married. Age 49.

Weight at the time of Consultation 9½ stones 5 lbs.

Duration of the Disease 3 weeks.

Family History rather died of Consumption. No history of Diabetes in the family.

Past History of the Patient	Never had any serious illness. Gave birth to 11 children, 7 of whom are living and healthy. Two children died in infancy, and two of measles at the age of 2 and 4. At the age of 47 menstrual discharge ceased and for two years there was no discharge. Three weeks ago she began to lose blood from Vagina again. This gave her no pain.
How Disease was brought to his notice	At the same time she had an attack of excessive thirst, and began to pass water nearly every hour. She consulted a doctor and came to know that her case was very serious.

Condition of Patient at the time of Consultation

When I saw her she looked to me well nourished. On pressing in the left Iliac she complained of some pain and Abdominal wall was lax. Body of the uterus was found dislocated to the left side, and finger covered with blood on examination. Her chief complaint at this time was bleeding from the womb. She drank more water than usual and beyond this had no other Diabetic symptom.

Examination of Urine:

Quantity in 24 hours	56 ozs.
Reaction	acid.
Physical Properties	Somewhat high coloured and mixed with blood.
Specific Gravity	1035.
Albumen	a trace.
Sugar daily	Total 80 grammes, 7 p.c. in the specimen on usual food.
Gerhardt's Test	negative.
Microscopic	A few Red and White Cells.

Examination of Blood

Progress	Opium and restricted diet reduced the sugar to a certain extent, but the discharge from the womb
Result	continued, and the lady died from Carcinoma after a year's suffering.

Complications

Post Mortem

Name and Sex Mt.S. female Private or ~~Hospital~~-Patient
 Caste Hindu.
 Occupation Married Age 33.
 Weight at the time of Consultation 4 stones 10 lbs.
 Duration of the Disease 14 months..
 Family History No Diabetic history.

Past History of the Patient Had no serious illness until she got the present disease 14 months ago. The attack was sudden and came on with thirst, Polyuria and loss of flesh. Her doctor told her that she was suffering from Diabetes and has been dieting her but she has not improved in any manner. For the last two months she has been getting fits of drowsiness now and then.
 How Disease was brought to his notice

Condition of Patient at the time of Consultation Extremely thin and emaciated. Skin harsh and dry and brawny. Tongue like raw ham in colour. Teeth carious and loose. Bowels costive. Muscles of the legs had wasted away. There was no tenderness on pressure anywhere, and I was unable to find any symptom of Pancreatic disease. There was distinct smell of Acetone from the breath and the patient was drowsy.

Examination of Urine:

Quantity in 24 hours 153 ozs.
 Reaction acid.
 Physical Properties Colourless fluid with Acetone smell.
 Specific Gravity 1035.
 Albumen absent.
 Sugar dailyTotal 150 grammes, 5 p.c. in the specimen after usual meal.
 Gerhardt's Test Marked reaction.
 Microscopic No casts.

Examination of Blood

Progress This case in my opinion was of Pancreatic Diabetes although I was unable to find any symptoms of the
 Result Pancreatic disease. A few days after I saw her she expired and Post mortem examination was not allowed. Death was due to coma.
 Complications

Post Mortem

Name and Sex Mt.S. female Private or Hospital Patient
 Caste Hindu.
 Occupation Married. Age 25.
 Weight at the time of Consultation Not taken.
 Duration of the Disease 14 days.
 Family History Good.

Past History of the Patient This was the third confinement. The first two babies are alive and healthy. She had no trouble in her confinements, and beyond some attacks of Malarial fevers never had any serious illness.

How Disease was brought to his notice

Was passing urine more frequently than usual, and insects collected in the chamber pot. This attracted her attention, and her doctor on examination told her Condition of Patient at the time of Consultation that there was sugar in the urine.
 The patient was a healthy looking person, and no other complaint than frequency of micturition. On examination of the urine 1% glucose was found, and diet had no influence on it. No other symptoms.

Examination of Urine:

Quantity in 24 hours	44 ozs.
Reaction	acid.
Physical Properties	Pale straw coloured with sweetish odour.
Specific Gravity	1029.
Albumen	none.
Sugar daily Total 17	grammes, 1 p.c. in the morning specimen
Gerhardt's Test	negative. on usual diet.
Microscopic	no casts.

Examination of Blood

Progress This continued for about six months. At the end of lactation the sugar disappeared from the urine.
 Result Both lactose and glucose were present.

Complications

Post Mortem

Name and Sex S.B. Private or Hospital Patient

Caste Burman Buddhist.

Occupation Lawyer. Age 52.

Weight at the time of Consultation 12 stones 5 lbs.

Duration of the Disease One year.

Family History No history of Diabetes.

Past History of the Patient Has been generally healthy. Inclined to sexual excesses. Habits sedentary, and plenty of mental work. Not total abstainer. Present illness started a year ago when he began to suffer from excessive thirst and lost flesh.

On consulting a doctor he came to know that he was suffering from Diabetes.

Condition of Patient at the time of Consultation

Very fat for a Burman. Looked somewhat pale and anaemic. Teeth alright. No smell of Acetone. Tongue furred. Heart sounds weak and distant. Lungs normal. Complained of pain across the loin. Had no inclination to do the work, and generally felt tired after ordinary exertion. Vision normal.

Examination of Urine:

Quantity in 24 hours	73 ozs.
Reaction	acid.
Physical Properties	Pale straw coloured. No Acetone smell.
Specific Gravity	1038.
Albumen	none.
Sugar	daily Total 96 grammes, 5 p.c. in the specimen on usual diet.
Gerhardt's Test	negative.
Microscopic	

Examination of Blood

Progress	This patient did very well on Opium and modified diet, and after a month's treatment the percentage
Result	of sugar was reduced to 3% and urine to 48 ozs.

Complications

Post Mortem

Name and Sex	S.C.	male	Private or Hospital Patient
Caste	Hindu.		
Occupation	Banker.	Age	50.
Weight at the time of Consultation	15 stones 2 lbs.		
Duration of the Disease	3 years.		
Family History	Good.		

Past History of the Patient Had no previous illness. Present illness came on gradually with thirst and Polyuria. He began to get weak on his legs about three years ago, and cramps began to trouble him also. He must have lost about 2 stones ~~of~~ flesh during the last two years. He has never been of active habits and his occupation is sedentary.

How Disease was brought to his notice
On consulting a doctor he came to know that he was passing sugar in the urine.

Condition of Patient at the time of Consultation

Very stout but looked pale and anaemic. Skin harsh and dry. Tongue coated. Teeth some decayed and some loose. Gums swollen and receded. Heart sounds weak and distant. No murmurs. Lungs emphysematous. Calf muscles tender and knee jerks absent. No oedema of the legs. No eye trouble. Breath had sweet odour.

Examination of Urine:

Quantity in 24 hours	175 ozs.
Reaction	acid.
Physical Properties	Colourless fluid with Acetone smell.
Specific Gravity	1034.
Albumen	none.
Sugar daily Total	150 grammes, 4 p.c. in the specimen on ordinary diet.
Gerhardt's Test	negative.
Microscopic	

Examination of Blood

Progress	With milk diet and Opium sugar was reduced to less than two per cent, and the quantity of urine to
Result	85 ozs. in the course of six weeks.

Complications

Post Mortem

Name and Sex S.G. male Private or ~~Hospital~~ Patient
 Caste Hindu Jain.
 Occupation Student. Age 22.
 Weight at the time of Consultation 110 lbs.
 Duration of the Disease One year.

Family History Father died of Diabetes; mother alive; other members of the family, three in number, all junior to him, are healthy.

Past History of the Patient

Has always been total abstainer and strict vegetarian. Very fond of study. Married and given to sexual excess. Had no previous illness beyond occasional attacks of Malarial fever. Present illness came on suddenly, and his attention was drawn to it by thirst, disturbed sleep, and How Disease was brought to his notice by ants running over the place where he used to make water. On consulting a doctor he came to know that there was sugar in the urine.

Condition of Patient at the time of Consultation

When he saw me he was anaemic, pale and sallow looking. Had good appetite, and making water frequently nearly every three or four hours. Emaciation not much; feeling exhausted and weak and not inclined to read; feeling drowsy when sitting in the class. Complained of pain in the back and calf muscles. Had Acetone smell in the breath.

Examination of Urine:

Quantity in 24 hours 112 ozs.
 Reaction acid.
 Physical Properties Clear watery fluid with sweetish odour.
 Specific Gravity 1035.
 Albumen none.
 Sugar daily Total 160 grammes, 6p.c. in the morning specimen on usual diet.
 Gerhardt's Test negative.
 Microscopic no sediment.

Examination of Blood

Progress Did not follow instructions; went on his own way;
 Result had coma and died about a year after he saw me.

Complications

Post Mortem

Name and Sex S.L. male Private or Hospital Patient
 Caste Hindu.
 Occupation Shop-keeper. Age 30.
 Weight at the time of Consultation 9 stones 4 lbs.
 Duration of the Disease Two months.
 Family History Father died of Consumption and was also neurotic.

Past History of the Patient The man has always been costive since childhood. Two months ago he took some goods for sale to a religious fair where a fire took place, and he lost his goods in common with other people. This threw him into a fit, and since then he has never been well. He has been sleepless and frontal headaches have been troubling him, and his mind has been depressed.

How Disease was brought to his notice

On examination of urine glucose was found in it.

Condition of Patient at the time of Consultation

Looked pale with an anxious expression. He was quite rational but depressed and reticent as to his illness. Bowels costive but no sickness or vomiting. Knee jerks present. Eyesight alright. No heart or lung trouble. Sleeps badly and has as yet not forgotten his business trouble. Thirst does not trouble him so much but there is frequency of micturition.

Examination of Urine:

Quantity in 24 hours	60 ozs.
Reaction	acid.
Physical Properties	Pale straw coloured.
Specific Gravity	1030.
Albumen	none.
Sugar daily Total	38 grammes, 2.5 c. after usual meal.
Gerhardt's Test	negative.
Microscopic	no casts or epithelium.

Examination of Blood

Progress With Bromide and time his condition improved and last time when I saw him, several years after,
 Result he was looking alright.

Complications

Post Mortem

Name and Sex S.L. male Private or ~~Hospital~~ Patient
 Caste Hindu.
 Occupation Advocate. Age 46.
 Weight at the time of Consultation 14 stones 4 lbs.
 Duration of the Disease Six months.
 Family History Gout and adiposity in the family. Mother was highly neurotic.

Past History of the Patient Never had any serious trouble. Has always been hard working and led a sedentary life on account of his profession. Very fond of sweet and rich things. Total abstainer and vegetarian. Subject to dyspeptic attacks. Of late Insomnia and thirst have been troubling him.

How Disease was brought to his notice

Sugar was found in his urine on examination.

Condition of Patient at the time of Consultation

Very stout but very active in his profession. Irritable in temper and complained of Dyspepsia and Insomnia. Thirst did not trouble him much and frequency of micturition was also not much. He had no other Diabetic symptom. Teeth good, bowels regular and no eye trouble.

Examination of Urine:

Quantity in 24 hours	48 ozs.
Reaction	acid.
Physical Properties	Pale straw coloured.
Specific Gravity	1029.
Albumen	absent.
Sugar daily Total	35 grammes, 2p.c. in the morning specimen
Gerhardt's Test	negative. on usual food.
Microscopic	no casts.

Examination of Blood

Progress I recommended him Jambul powders, moderation in sweet things and daily constitutional. After 8 years I saw him again, and he was as active as ever although he looked a bit thinner than usual.

Complications

Post Mortem

Name and Sex S.N.S. male Private or ~~Hospital~~ Patient
 Caste Brahmo.
 Occupation Preacher. Age 50.
 Weight at the time of Consultation 11 stones 4 lbs.
 Duration of the Disease 11 years.
 Family History Good.

Past History of the Patient Has always been a hard mental worker and not fond of active exercise. With the exception of usual Malarial fever had no other illness. Total abstainer and strict vegetarian. Very fond of sweet things. Disease came on insidiously.

How Disease was brought to his notice

It was only on consulting a doctor for weakness that he came to know of the sugar in his urine.

Condition of Patient at the time of Consultation

General condition not bad. Thirst did not trouble him. Teeth were in fairly good condition. No smell of Acetone. Heart and Lungs normal. Had several crops of boils several years ago, marks of which are still left behind. Headaches and Insomnia trouble him sometimes. No other neurotic symptom.

Examination of Urine:

Quantity in 24 hours 65 ozs.
 Reaction acid.
 Physical Properties Pale straw coloured without Acetone smell.
 Specific Gravity 1030.
 Albumen absent.
 Sugar daily Total 35 grammes, px. 2.5% in the specimen
 Gerhardt's Test negative. after usual diet.
 Microscopic no casts.

Examination of Blood

Progress When I saw him he told me that he was taking Jambul powders and I advised him to continue them. During
 Result the last ten years I met him two or three times, and he looked to me as well as ever and had hardly
 any complaint. Sugar in pathological quantity
 Complications has always been in the urine.

Post Mortem

Name and Sex	S.R. male	Private or Hospital Patient
Caste	Hindu.	
Occupation	Sub-judge.	Age 51.
Weight at the time of Consultation	11 stones 3 lbs.	
Duration of the Disease	One year.	
Family History	Good.	

Past History of the Patient Has always been hard worker, regular in habits and vegetarian in diet. Has had no serious illness in his life. He attributes his present illness purely to hard work which in his capacity of a subordinate judge he had to do. A year ago he had an acute attack of thirst. This made him consult a doctor and he told him that there was sugar in his urine.

How Disease was brought to his notice

Condition of Patient at the time of Consultation Complained of loss of weight and a sense of weakness. On account of frequency of micturition his sleep was very much disturbed. There was a distinct smell of Acetone in the breath. Beyond neuritis in the right arm he had no other nervous symptoms. Heart and Lungs normal. Tongue coated. Bowels irregular. No skin eruptions and no boils. Thirst not excessive.

Examination of Urine:

Quantity in 24 hours	70 ozs.
Reaction	acid.
Physical Properties	Pale straw coloured with Acetone smell.
Specific Gravity	1031.
Albumen	absent.
Sugar daily Total	65 grammes, $3\frac{1}{2}$ p.c. in the specimen on usual diet.
Gerhardt's Test	absent.
Microscopic	No tube casts.

Examination of Blood

Progress	Derived great benefit from Jambul powders. Sugar became 1.3% and quantity of urine reduced to 42 ozs in the course of 3 weeks. Four years after I saw him again. He had then retired from the service, and if anything looked better and fresher as he was then leading an easy life.
Result	
Complications	

Name and Sex S.S. male Private or ~~Hospital~~ Patient
 Caste Hindu.
 Occupation Govt. Official Age 58.
 Weight at the time of Consultation 9 stones 9 lbs.
 Duration of the Disease 12 years.
 Family History Father had died of Diabetes. Family neurotic.

Past History of the Patient Has always been in good health. He attributed his present illness to sedentary habits and neglecting exercise and eating too much of sweet things. Twelve years ago he had noticed that he was gradually becoming weaker and losing flesh. On consulting a doctor he came to know that he was passing sugar in the urine.

How Disease was brought to his notice

Condition of Patient at the time of Consultation

When I saw him he looked a bit pale but not ~~m~~ emaciated, and he had no troublesome symptoms of Diabetes. He had sugar in the urine but no thirst or Polyuria to speak of. He slept well, and had no neurotic symptoms and went about his business.

Examination of Urine:

Quantity in 24 hours	60 ozs.
Reaction	acid.
Physical Properties	Pale straw colored.
Specific Gravity	1029.
Albumen	None.
Sugar daily Total	35 grammes, 2 p.c. in the specimen on usual diet.
Gerhardt's Test	negative.
Microscopic	

Examination of Blood

Progress	In this case Glycosuria was kept under control by Jambul powders which he used regularly whenever he felt uncomfortable and he attributed his comparative freedom from serious symptoms to this drug. He was also of course careful with his diet.
Result	
Complications	He was a strict vegetarian and got all his food from milk and nuts.

Name and Sex	T.O. male	Private or Hospital Patient
Caste	Hindu.	
Occupation	Accountant.	Age 45.
Weight at the time of Consultation	135 lbs.	
Duration of the Disease	Three years.	
Family History	Parents dead; no brothers and sisters; married with three children all healthy.	

Past History of the Patient A high class Hindu by caste, well educated, has always been fond of reading; seldom took any exercise; total abstainer, non-smoker and strict vegetarian. Very fond of sweets and sherbets. His wife had Diabetes for the last 7 years. His illness came on insidiously 3 years ago when excessive thirst and frequency of micturition.

How Disease was brought to his notice made him consult a doctor who told him that he was suffering from Diabetes.

Condition of Patient at the time of Consultation

Pale, weight below the average. Complained of having no strength in his muscles. Looked worried on account of the health of his wife and his own sleeplessness and pressure of work at the office. No neurotic symptoms and no eye symptoms. Bowels regular, appetite good. Had no skin eruptions.

Examination of Urine:

Quantity in 24 hours	80 ozs.
Reaction	acid.
Physical Properties	Pale straw coloured with sweetish odour.
Specific Gravity	1029.
Albumen	none.
Sugar dailyTotal	82 grammes, 4 p.c. in the specimen after usual diet.
Gerhardt's Test	negative.
Microscopic	

Examination of Blood

Progress	With care in diet and habits his condition
Result	improved, and ten years after when I saw him he was very much in the same condition, his wife having died of Carbuncle three years previously. He
Complications	relied chiefly on exercise for his good health, and had retired from the Government service. He took Jambul in the shape of medicine.

Post Mortem

Name and Sex T.H. male Private or ~~Hospital~~ Patient
 Caste Mahomedan.
 Occupation Law Age 48.
 Weight at the time of Consultation 12 stones 5 lbs.
 Duration of the Disease 3 years.
 Family History Mother Diabetic and father gouty.

Past History of the Patient Has always been a heavy smoker and fond of rich food. Before the age of 30 he considerably increased in weight rather suddenly. 16 years ago he had a crop of boils and later he noticed that his teeth were beginning to come loose, and a dentist told him that he was suffering from Pyorrhoea Alveolaris. His people noticed that there was a distinct change in his temper. On consulting a doctor three years ^{ago} he came to know that there was sugar in the urine.

Condition of Patient at the time of Consultation

Restless, irritable and highly emotional. Suffered periodically from violent Supra Orbital Neuralgia. He was troubled with creeping sensations in the legs and nocturnal cramps in the calves. There was distinct Neuritis of the right arm. The left knee jerk was weakened. Spleen somewhat enlarged. Heart sounds weak. Thirst was not very bad. Bowels costive. No disease of the skin.

Examination of Urine:

Quantity in 24 hours	85	ozs.
Reaction	acid.	
Physical Properties	colourless watery fluid without Acetone.	
Specific Gravity	1045.	
Albumen	absent.	
Sugar Total	90 grammes, 6 ^{p.c.} in the specimen after	
Gerhardt's Test	negative.	usual food.
Microscopic		

Examination of Blood

Progress	With moderation in carbohydrates and systematic exercise together with Jambul powders after every meal his condition decidedly improved. In the course of a month the urine was reduced to 50 ozs and sugar to less than a third of what it used to be. Since then I met him several times and he always praised the drug.
Result	
Complications	

Post Mortem

Name and Sex U.S. male Private or ~~Hospital~~ Patient
 Caste Hindu.
 Occupation Banker. Age 45.
 Weight at the time of Consultation 168 lbs.
 Duration of the Disease One year.
 Family History Father died of Diabetes, mother died in childbirth.
 Only one sister more in the family, who is said to
 be healthy.

Past History of the Patient Married, not fond of sexual excesses,
 very sensitive and emotional. Total abstainer
 and vegetarian. Fond of sweets. Never had any
 serious illness except occasional attacks of
 Malarial fever.

How Disease was brought to his notice

Excessive thirst and frequency of micturition
 made him consult a doctor and sugar was found in
 the urine on examination.

Condition of Patient at the time of Consultation

Father having died of Diabetes, and he having
 sugar in his urine made him very anxious about
 himself. He was advised by his medical adviser
 not to eat sugar and to take sufficient exercise
 in the fresh air. With this his condition improved,
 and he was not passing so much urine as he was
 formerly, and there was practically no thirst.
 All the teeth were sound and good.

Examination of Urine:

Quantity in 24 hours	50 ozs.
Reaction	acid.
Physical Properties	Pale straw coloured. No smell of
Specific Gravity	1029. Acetone.
Albumen	none.
Sugar daily Total	30 grammes, 2.2 p.c. in the specimen on
Gerhardt's Test	negative. usual diet.
Microscopic	no sediment.

Examination of Blood

Progress	With the assurance he received from me and other
Result	doctors his mind became easy and he has been doing
Complications	well. I saw him last year after four years. He
	looked if anything better and happier than when I
	saw him first. His urine had still 1.10% sugar but
	he had no other symptom of Diabetes. Jambul was
	the only drug given to him by way of medicinal
	treatment.

Post Mortem

Name and Sex V.G.D. Private or ~~Hospital~~ Patient
 Caste Hindu.
 Occupation Law. Age 43.
 Weight at the time of Consultation 8 stones 2 lbs.
 Duration of the Disease 2½ years.
 Family History Father and one uncle died of Diabetes.

Past History of the Patient Two and a half years ago he had an attack of Bronchitis, and when confined to bed he noticed that he was feeling very hungry, very thirsty and passing large quantity of urine. On consulting a doctor he came to know that there was sugar in the urine. Since then he has wasted a great deal, i.e. about 3 stones of flesh
 How Disease was brought to his notice have wasted away and he has also been feeling very weak. He was put on Diabetic diet last year without any improvement.

Condition of Patient at the time of Consultation

When I saw him there was marked general wasting and his fingers were clubbed. His skin was soft and moist and he sweated a great deal about the head. There were signs of Chronic Bronchitis and Tuberculosis, and his right lung was emphysematous. Abdomen prominent and lower edge of the Liver could be felt below the Costal margin. There was marked wasting of the lower limbs. No neuritis. Knee jerks absent. No eye symptoms.

Examination of Urine:

Quantity in 24 hours 186 ozs.
 Reaction acid.
 Physical Properties Watery fluid with smell of Acetone.
 Specific Gravity 1040.
 Albumen Present.
 Sugardaily Total 270 grammes, 8 p.c. in the specimen on
 Gerhardt's Test Positive. usual diet.
 Microscopic

Examination of Blood

Progress Diet and drugs did him no good, and about six months
 Result after he saw me he died of Tuberculosis.

Complications

Post Mortem

Name and Sex W.D. male Private or ~~Hospital~~ Patient
 Caste Mahomedan.
 Occupation Merchant. Age 47.
 Weight at the time of Consultation 6 stones 2½ lbs.
 Duration of the Disease One year.
 Family History Good.

Past History of the Patient Has always been in good health; never had any serious illness. Total abstainer. Fond of women. A year ago he had an attack of Influenza after which he suffered from severe headaches which lasted for a long time, and he attributes this disease to this cause. Immediately after, his thirst became excessive, and his doctor told him that there was sugar in the urine. His habits have been sedentary.

How Disease was brought to his notice

Condition of Patient at the time of Consultation

Complained of wasting and cramps in the legs which were getting worse. Bowels costive. Teeth good. Appetite also good. Heart and Lungs normal. Knee jerks diminished. Eyesight alright. No skin eruptions. No Pruritis.

Examination of Urine:

Quantity in 24 hours 242 ozs.
 Reaction acid.
 Physical Properties Pale watery fluid without Acetone smell.
 Specific Gravity 1040.
 Albumen absent.
 Sugar daily Total 345 grammes, 7 p.c. in the morning specimen
 Gerhard's Test negative. on usual food.
 Microscopic

Examination of Blood

Progress With moderation in diet and exercise and a little Opium his condition showed decided improvement. His urine came down to 89 ozs. and specific gravity to 1032. I saw him once more after 5 years, and he was looking much better and fresher, and he told me that he was taking exercise regularly.

Result

Complications

Post Mortem

Name and Sex Wife of K.G. Private or ~~Hospital~~ Patient
 Caste Hindu.
 Occupation Married. Age 54.
 Weight at the time of Consultation 9 stones 2 lbs.
 Duration of the Disease 14 years.
 Family History Good.

Past History of the Patient Has always been in good health. Her present illness was attributed to the birth of the last child which gave her a lot of trouble. After the confinement she had excessive thirst and Polyuria, and the doctor who attended her found sugar in the urine. Since then she has never been free from it although symptoms have been kept down with care in dietary.
 How Disease was brought to his notice

Condition of Patient at the time of Consultation

When I saw ^{her} she looked apparently in good health; was not emaciated and did not complain of anything except shortness of breath and pain in the legs on exertion. Her tongue was clean and teeth not decayed, and there was no smell of Acetone.

Examination of Urine:

Quantity in 24 hours 56 ozs.
 Reaction acid.
 Physical Properties Pale straw coloured without Acetone smell.
 Specific Gravity 1035.
 Albumen None.
 Sugardaily Total 50 grammes, 4 p.c. in ~~the~~ specimen on
 Gerhardt's Test Negative. ordinary diet.
 Microscopic

Examination of Blood

Progress She attributed her app^arently good health to the regular use of Jambul ^apowders and scrupulous
 Result attention to diet. Exercise she took very little.

Complications

Post Mortem

Name and Sex	Wife of G.L.	Private or Hospital Patient
Caste	Hindu.	
Occupation	Married.	Age 38.
Weight at the time of Consultation	6 stones 11 lbs.	
Duration of the Disease..	Two years.	
Family History	Good.	

Past History of the Patient

Has always been in good health. Has three children all healthy. One died of Small-pox and another in infancy. Her present illness started after a theft in her house in which all her gold and silver ornaments were robbed. The shock produced excessive thirst and Polyuria and this has persisted ever since.

How Disease was brought to his notice

Condition of Patient at the time of Consultation When I saw her she looked a bit emaciated and pale. Thirst was not so bad as at the time of onset, but she had still some difficulty in with-holding her urine, and had to get up at night once or twice. Her appetite was not excessive. There was no smell from the mouth and all the teeth were complete. She complained of pain in the back and stomach which ran down along the legs into the calf muscles. No eye complaint.

Examination of Urine:

Quantity in 24 hours	60 ozs.
Reaction	acid.
Physical Properties	Pale straw coloured without Acetone smell.
Specific Gravity	1035.
Albumen	Absent.
Sugar daily Total	40 grammes, 3.5 p.c. in the specimen after usual meal.
Gerhardt's Test	Negative.
Microscopic	

Examination of Blood

Progress	On restricted diet, sugar disappeared entirely from the urine, and with the help of Syzygium Jambolanum she was able to take sufficient carbohydrate for her requirement. 8 years after I had an occasion to see her again, and she appeared to me in a better condition than I had seen her before when she was 8 years younger.
Result	
Complications	

Post Mortem